

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

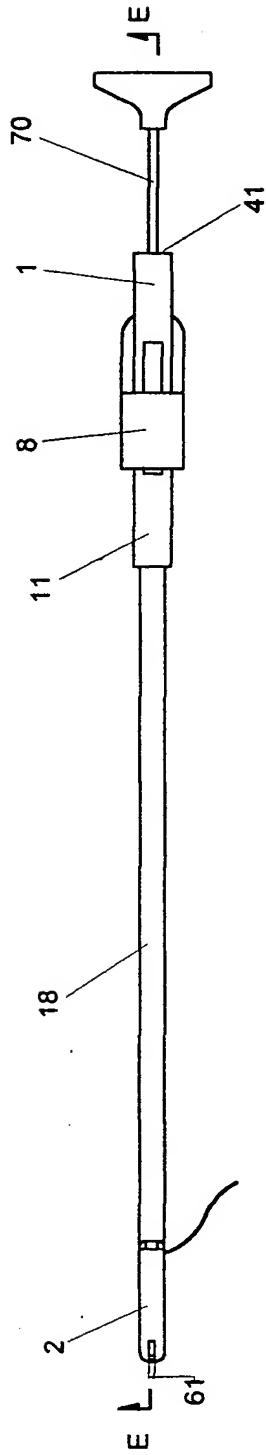


Fig. 1

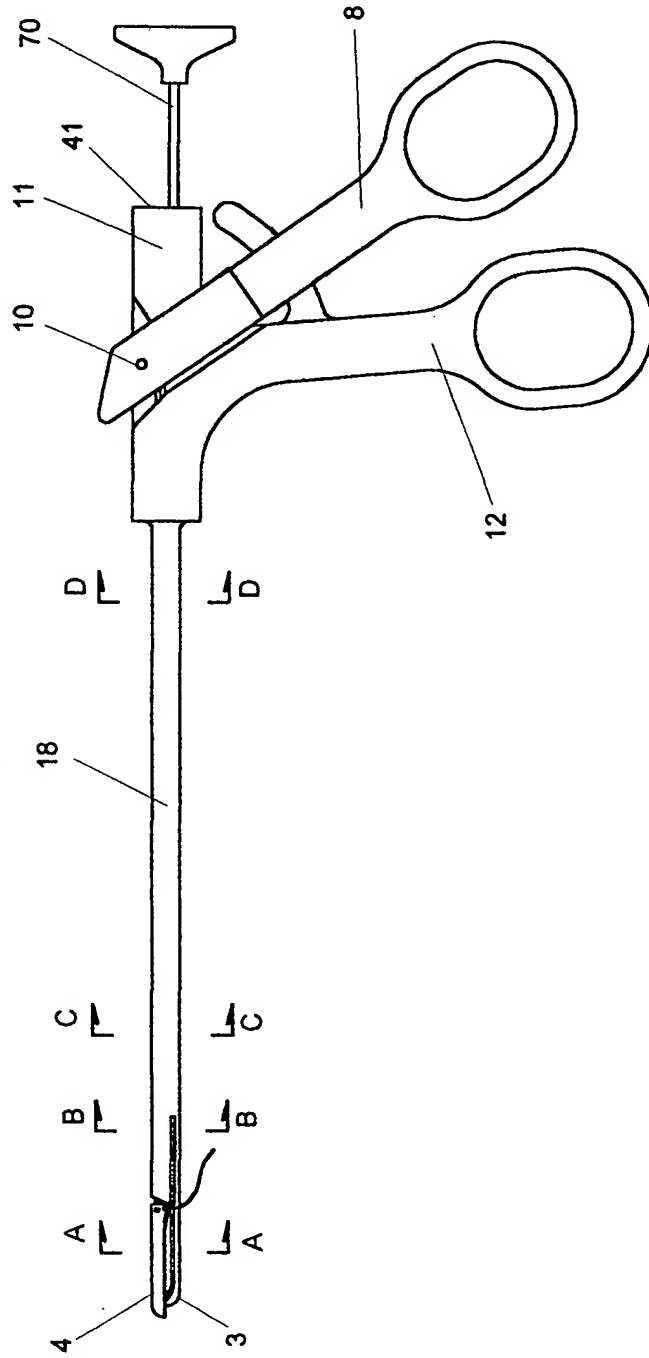


Fig. 2

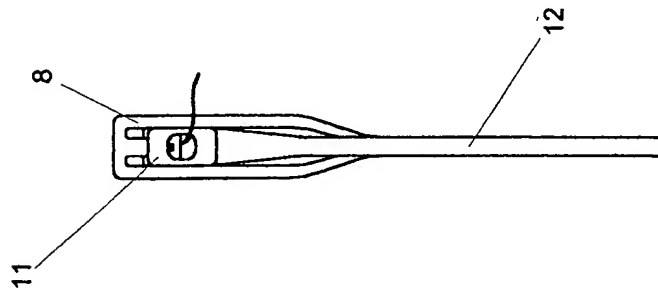


Fig. 3

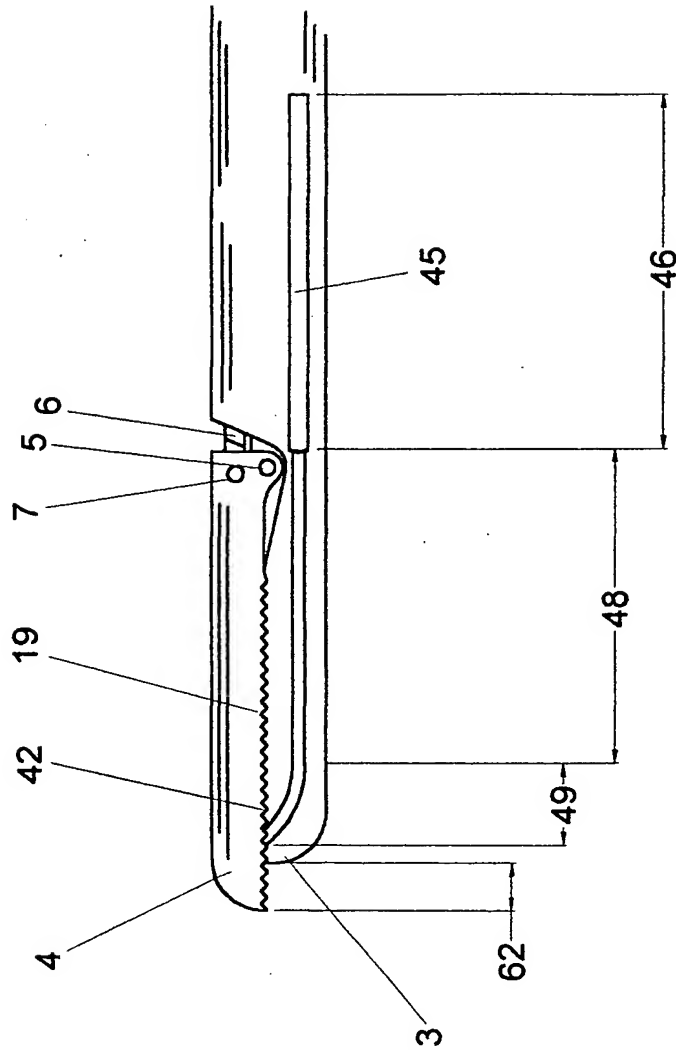
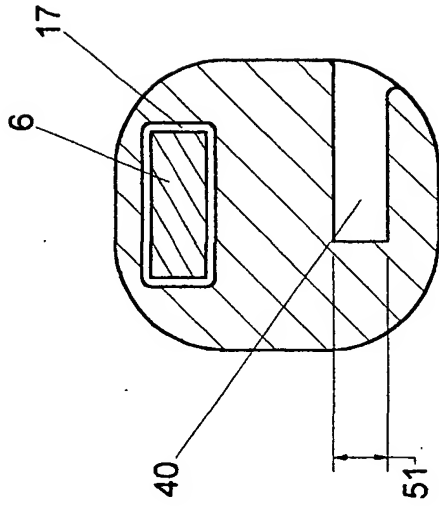
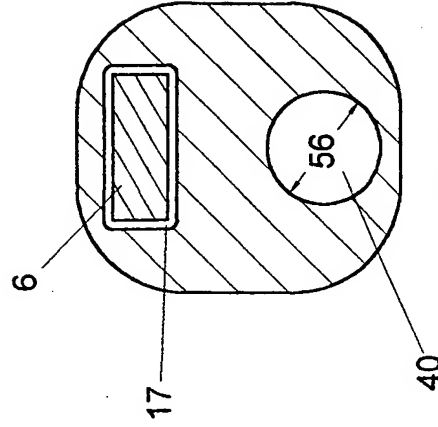


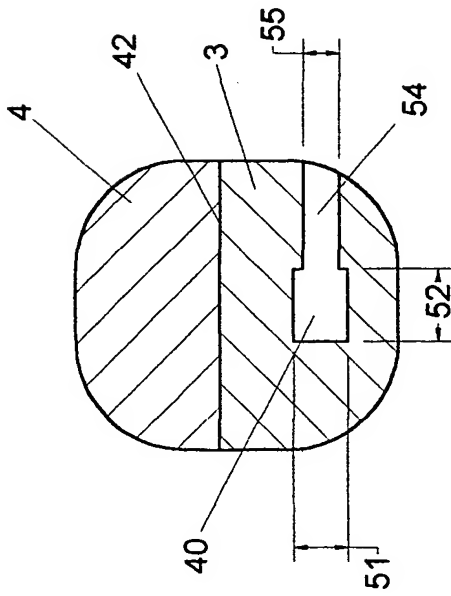
Fig. 4



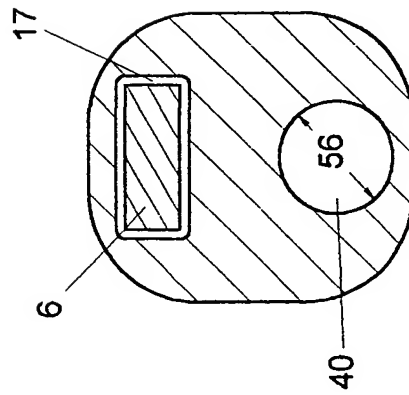
SEC B-B
 Fig. 6



SEC D-D
 Fig. 8



SEC A-A
 Fig. 5



SEC C-C
 Fig. 7

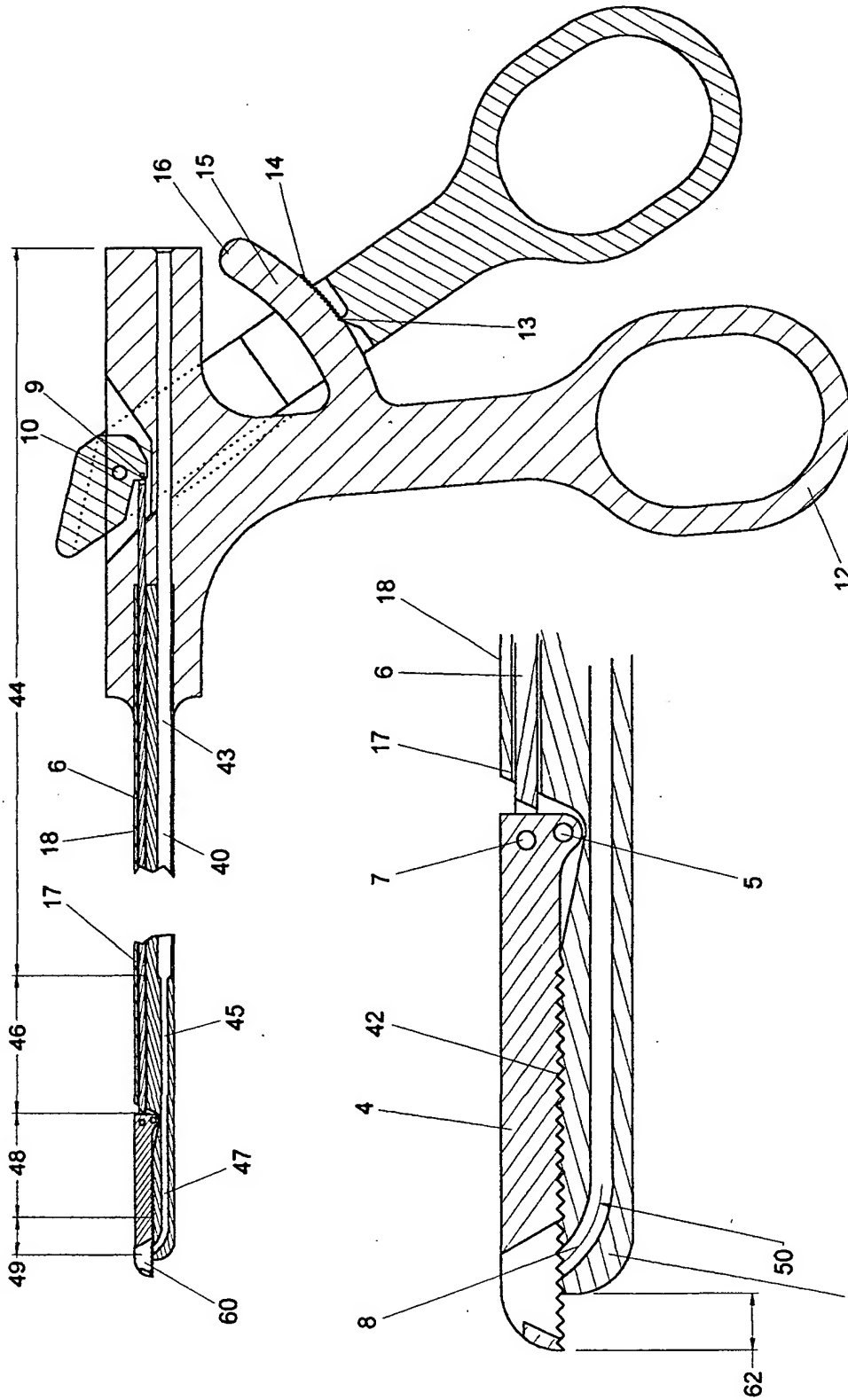


Fig. 9

Fig. 10

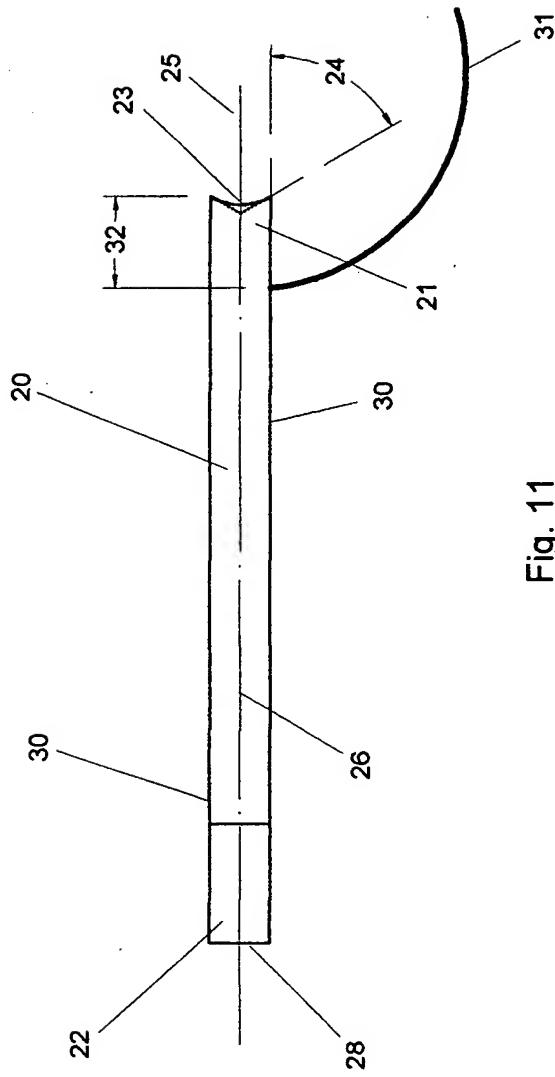


Fig. 11

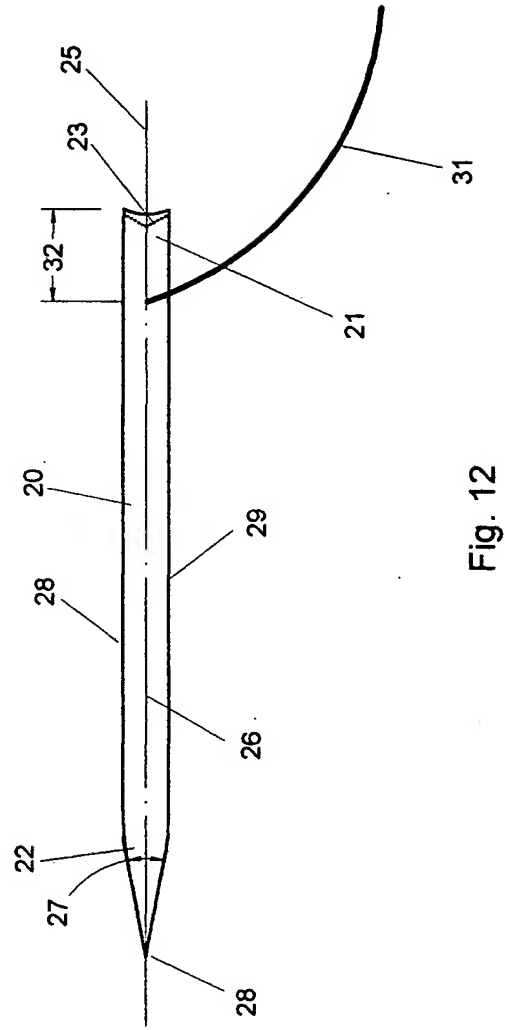


Fig. 12

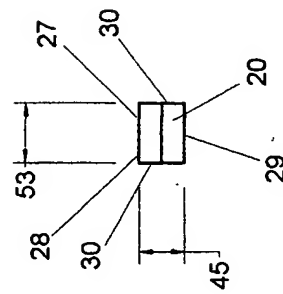


Fig. 13

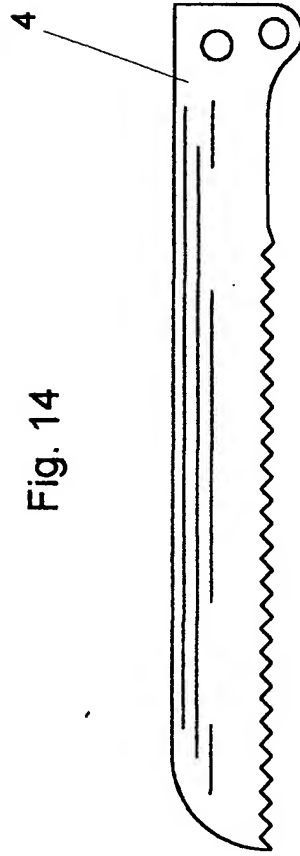
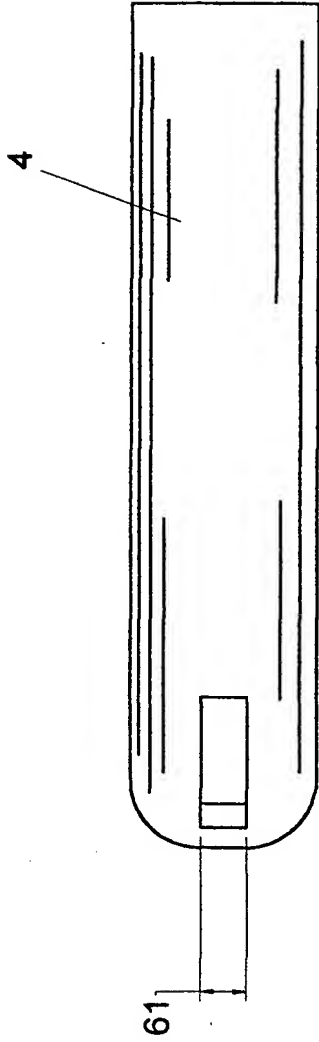


Fig. 14

Fig. 15

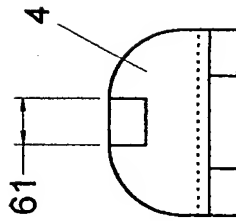


Fig. 17

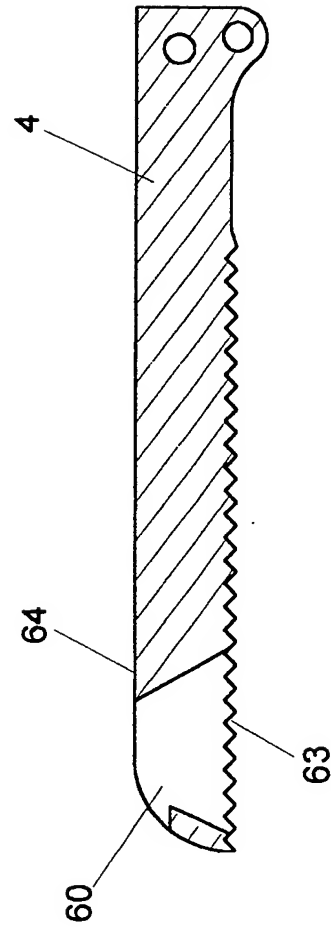


Fig. 16

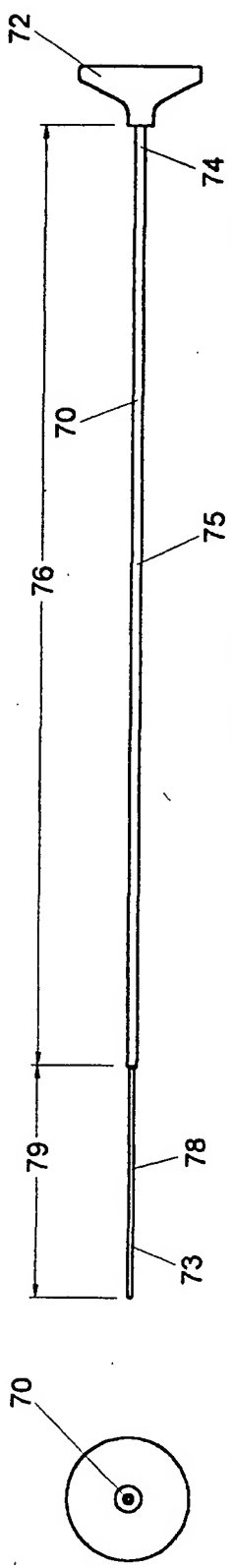


Fig. 22

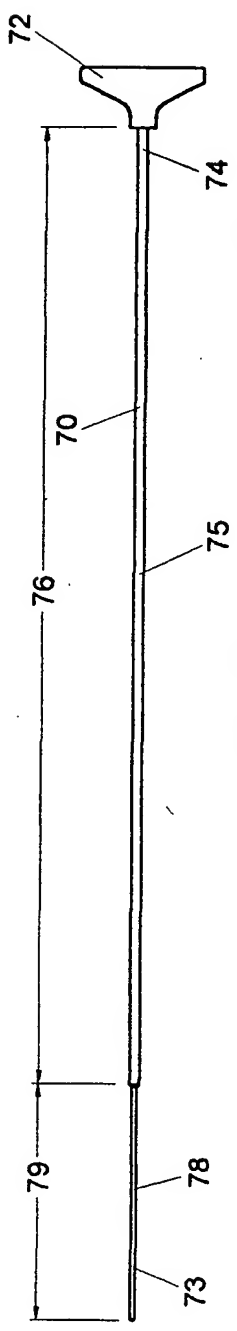


Fig. 18

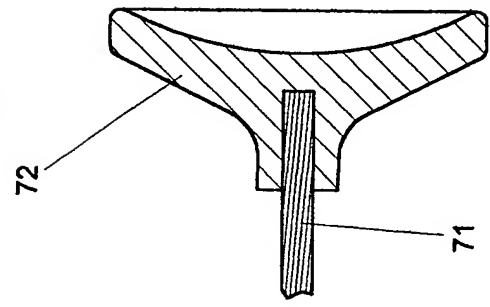


Fig. 20

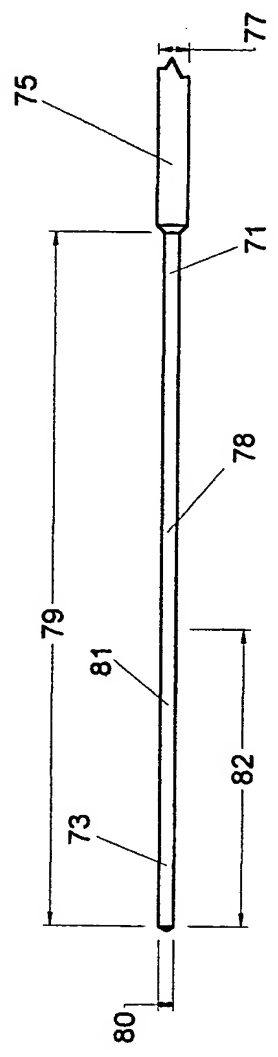


Fig. 19

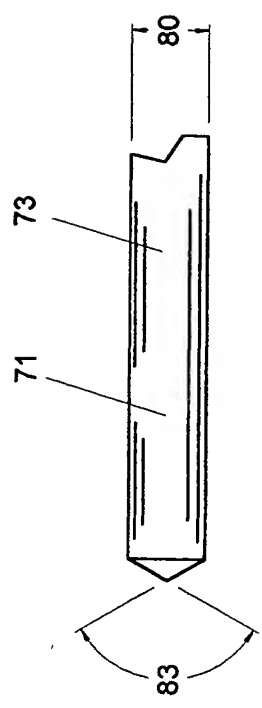


Fig. 21

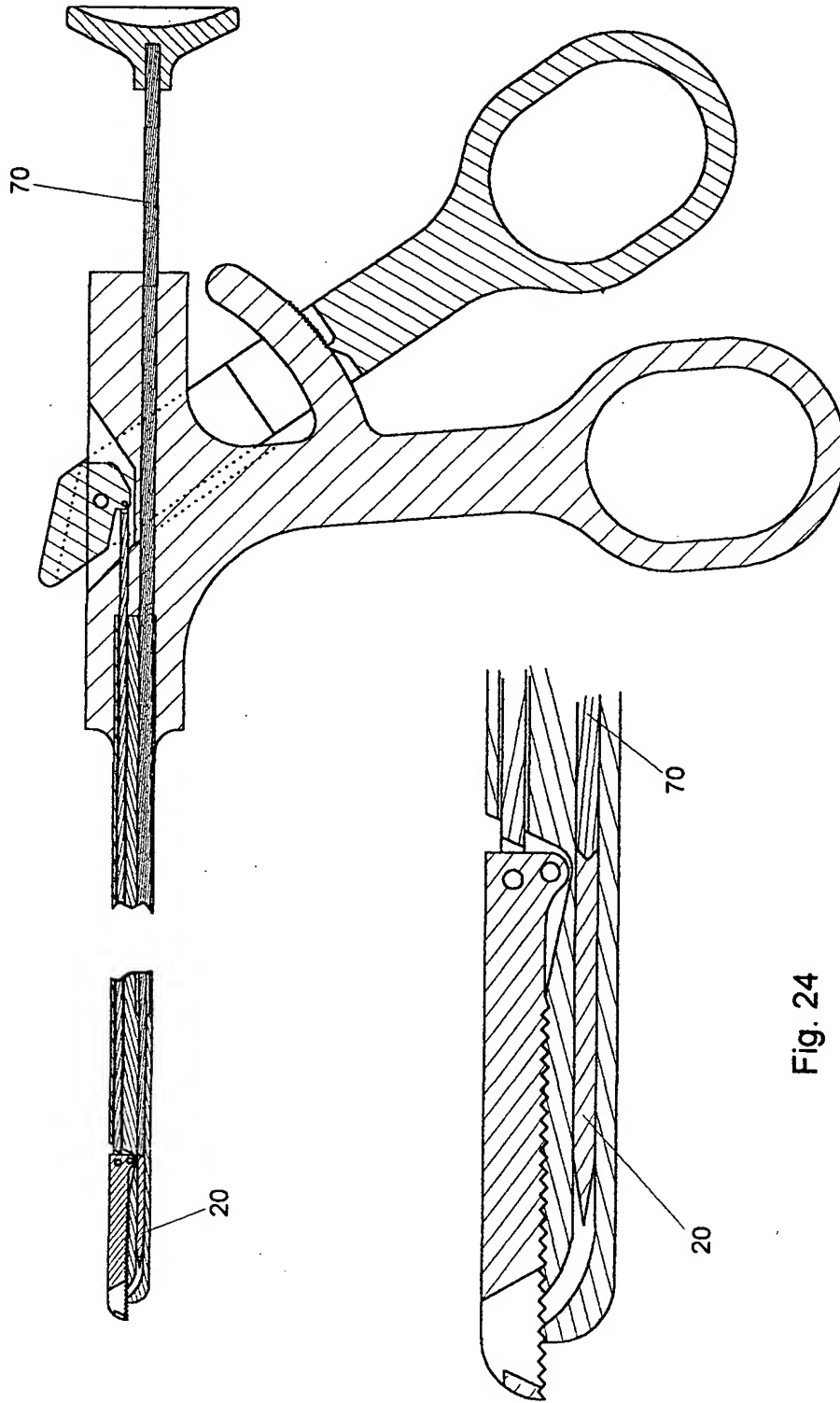
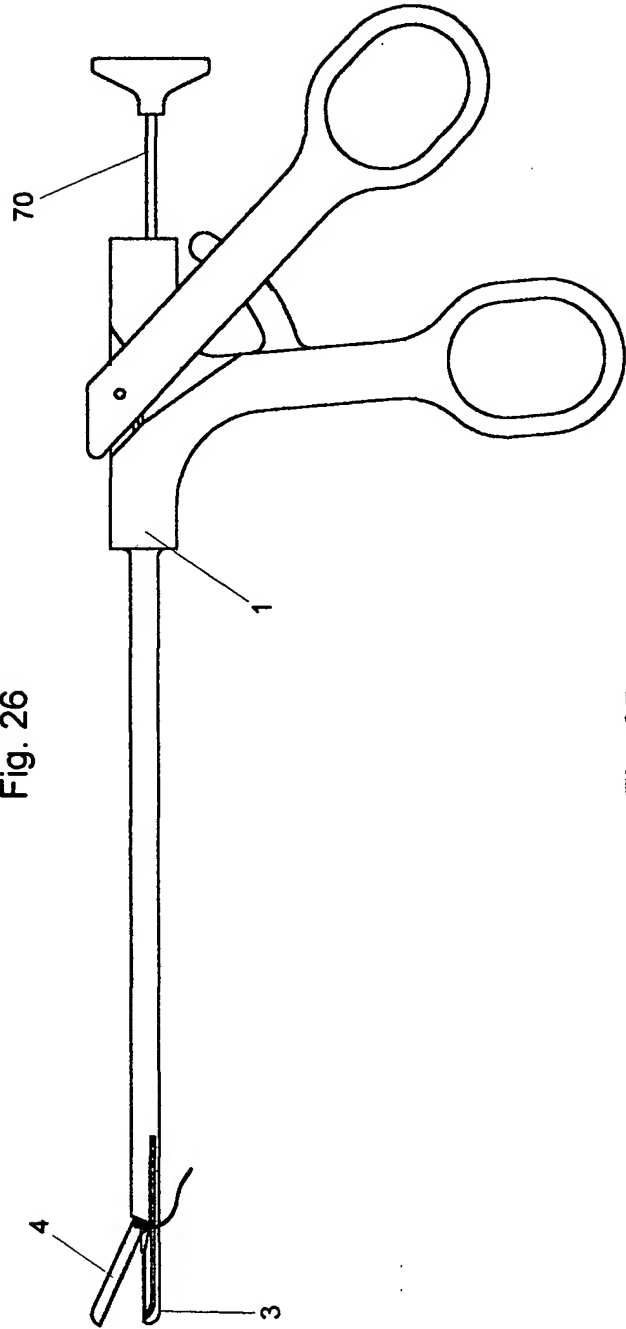
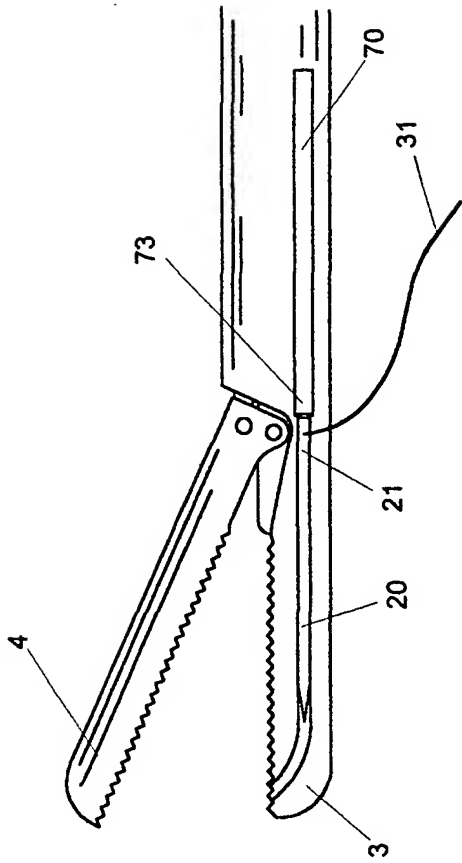


Fig. 23

Fig. 24



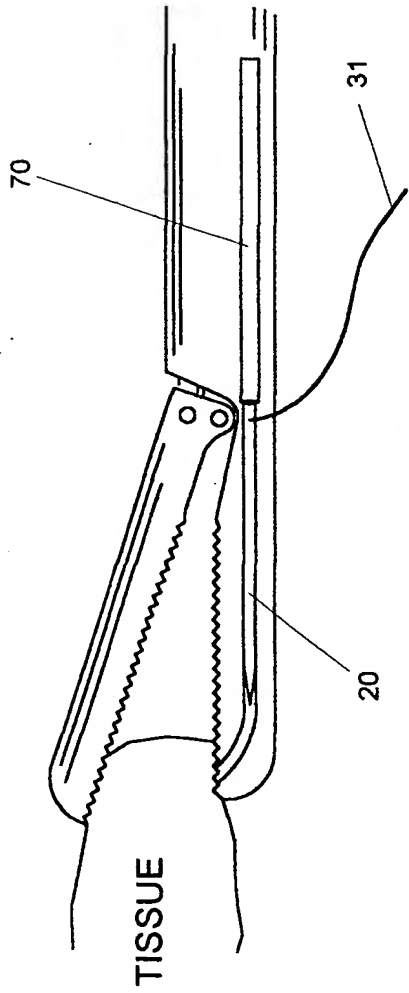


Fig. 28

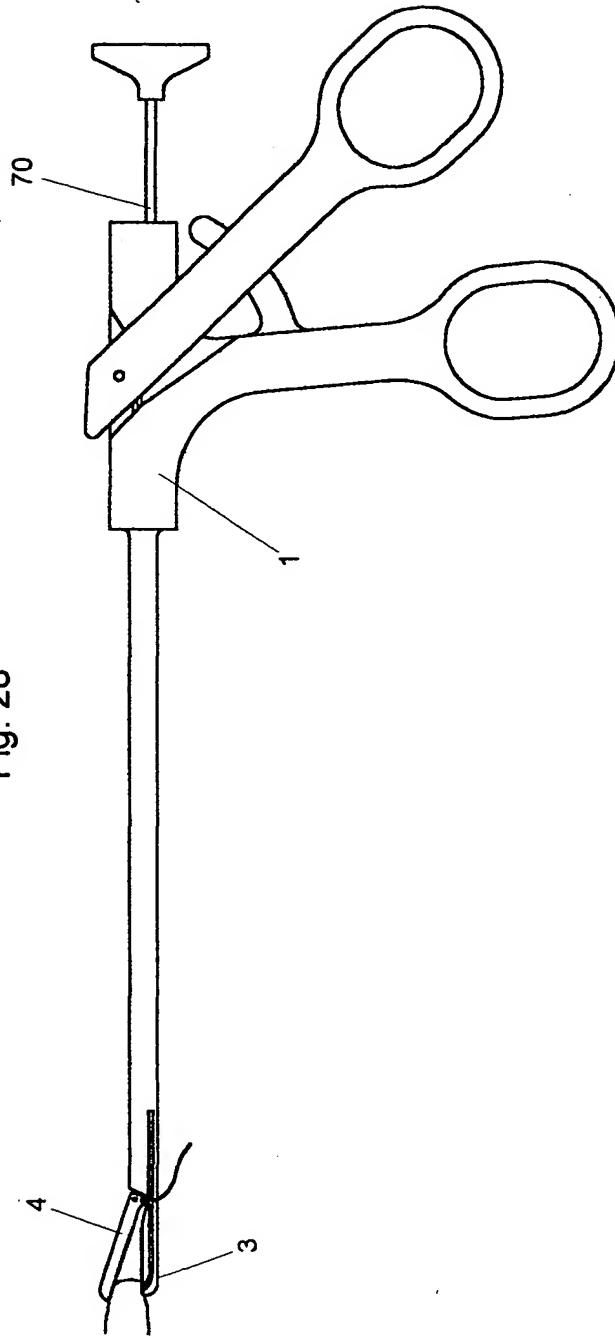


Fig. 27

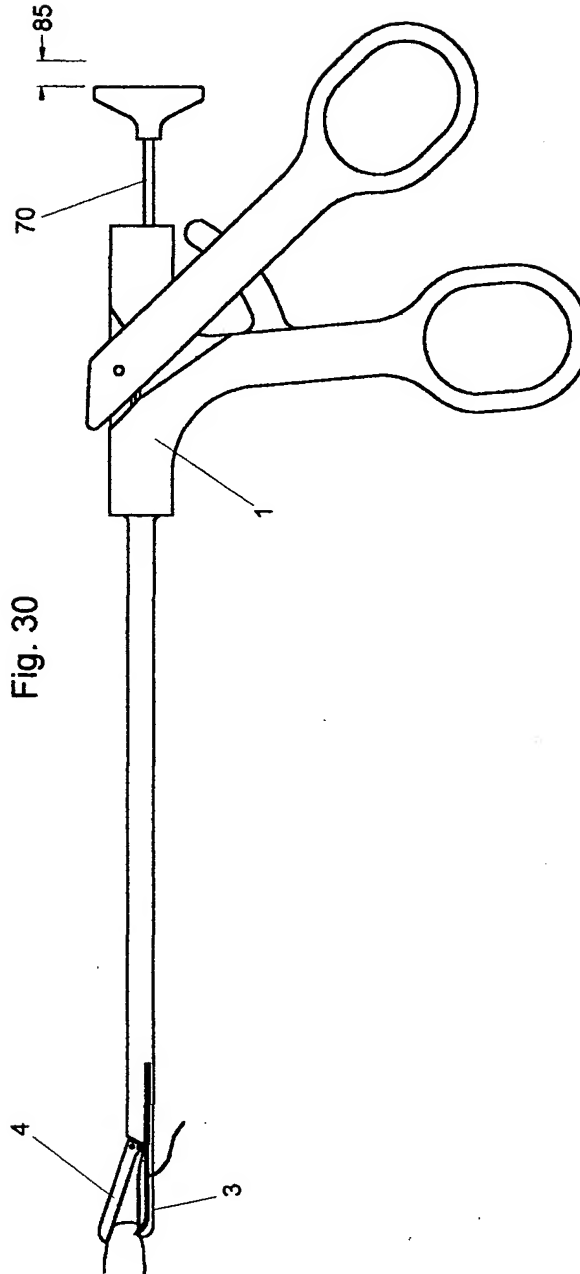
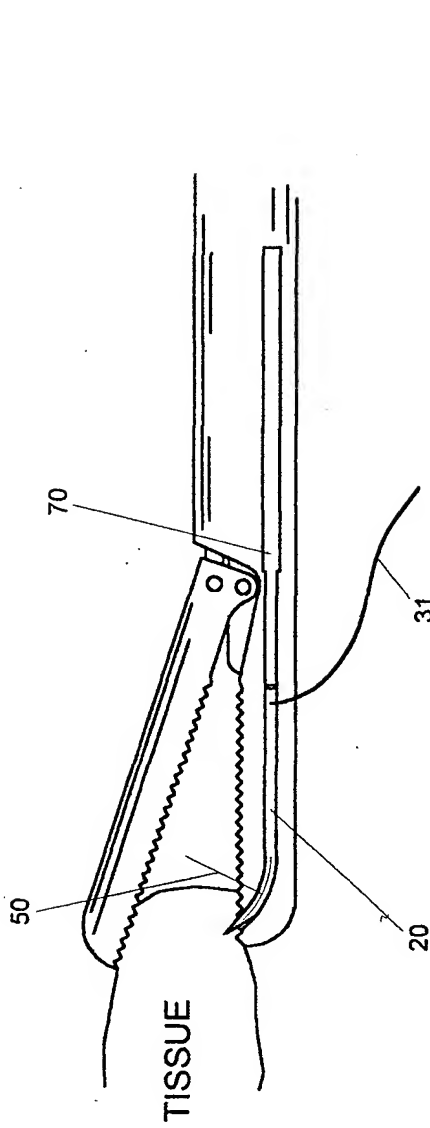
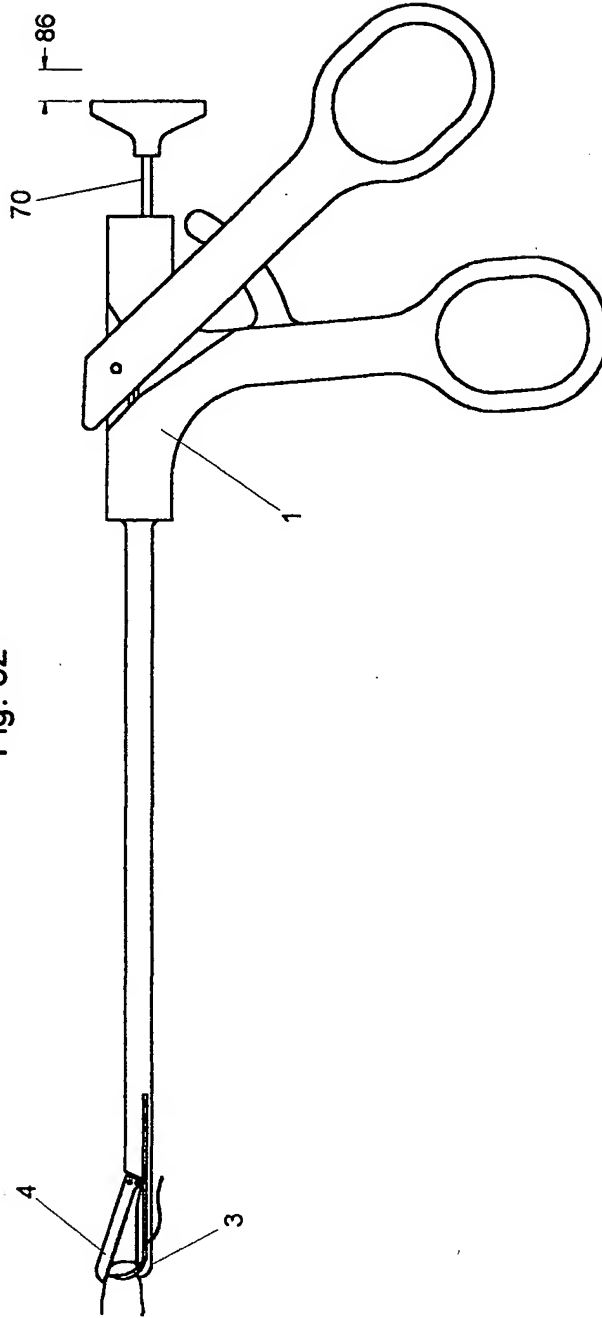
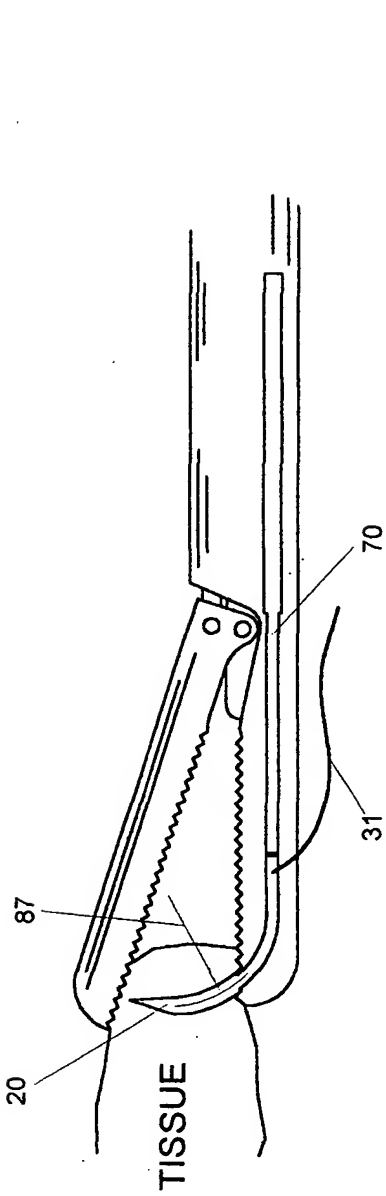


Fig. 30

Fig. 29



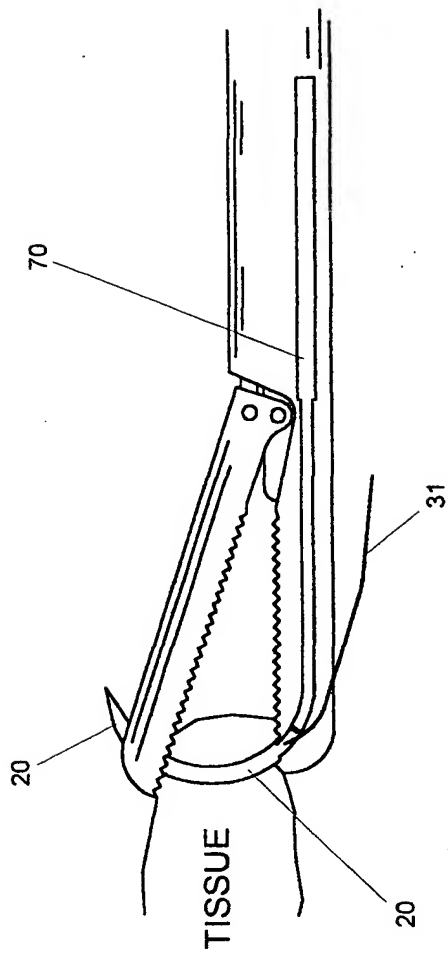


Fig. 34

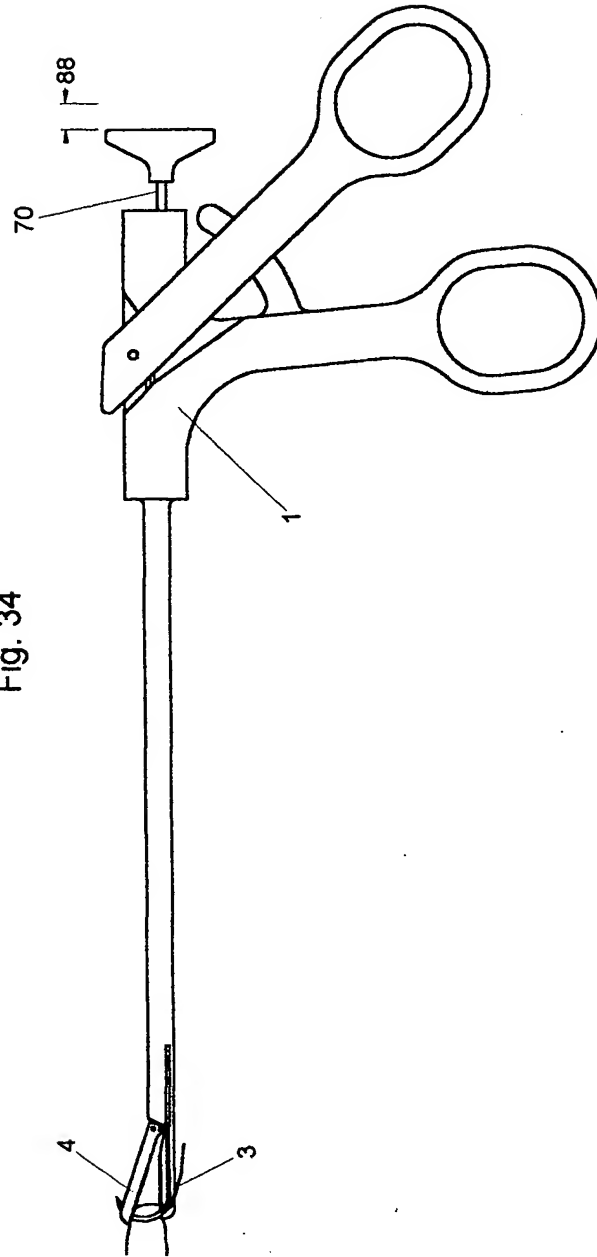


Fig. 33

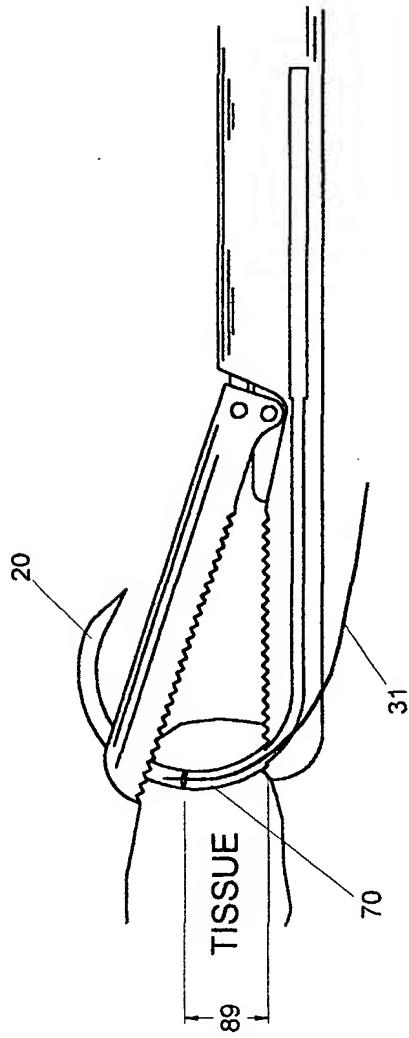


Fig. 36

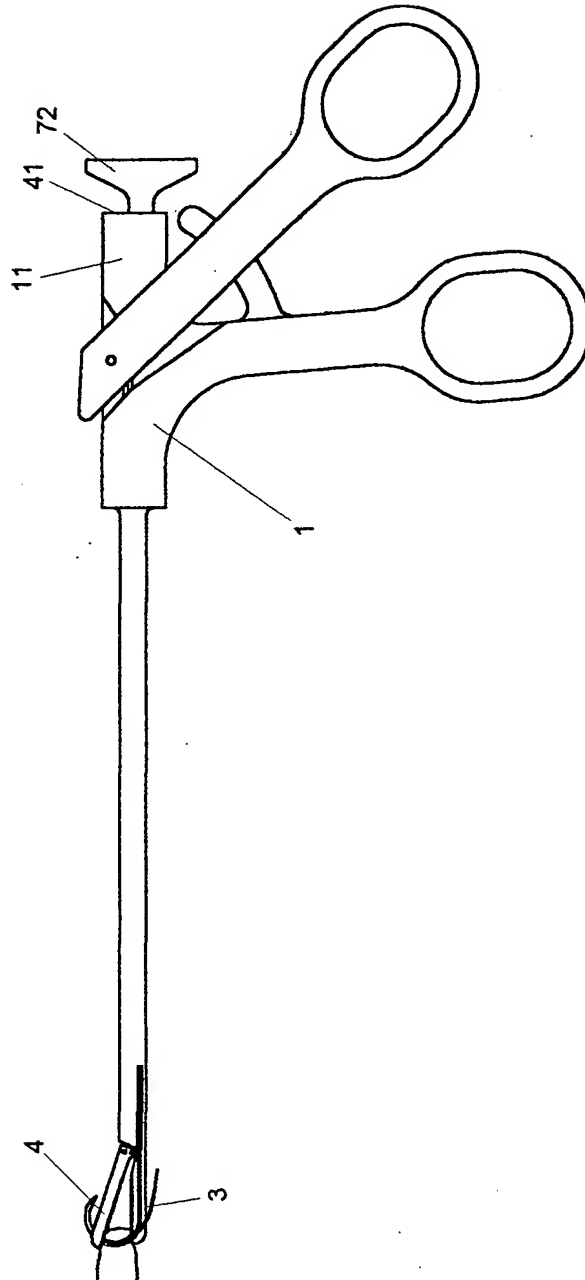
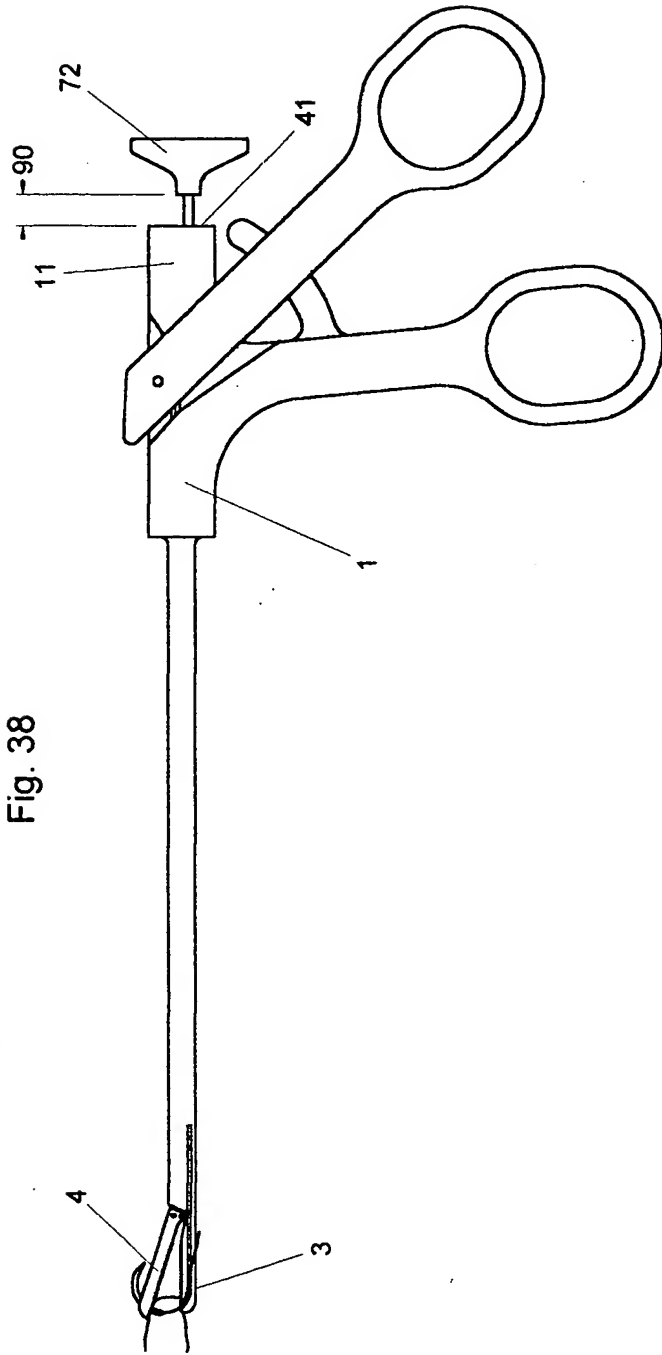
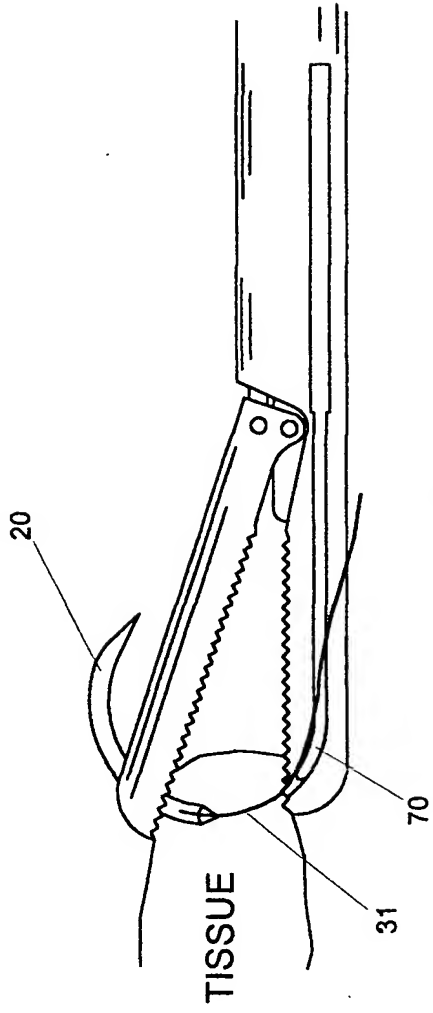


Fig. 35



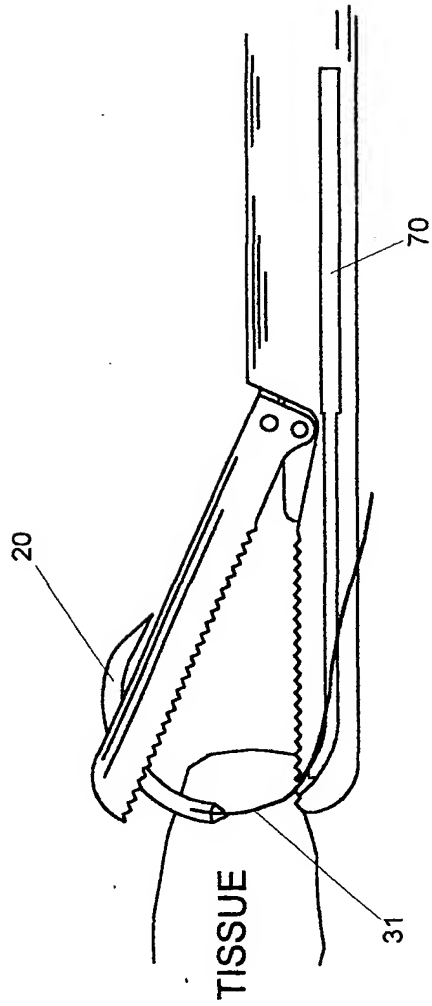


Fig. 40

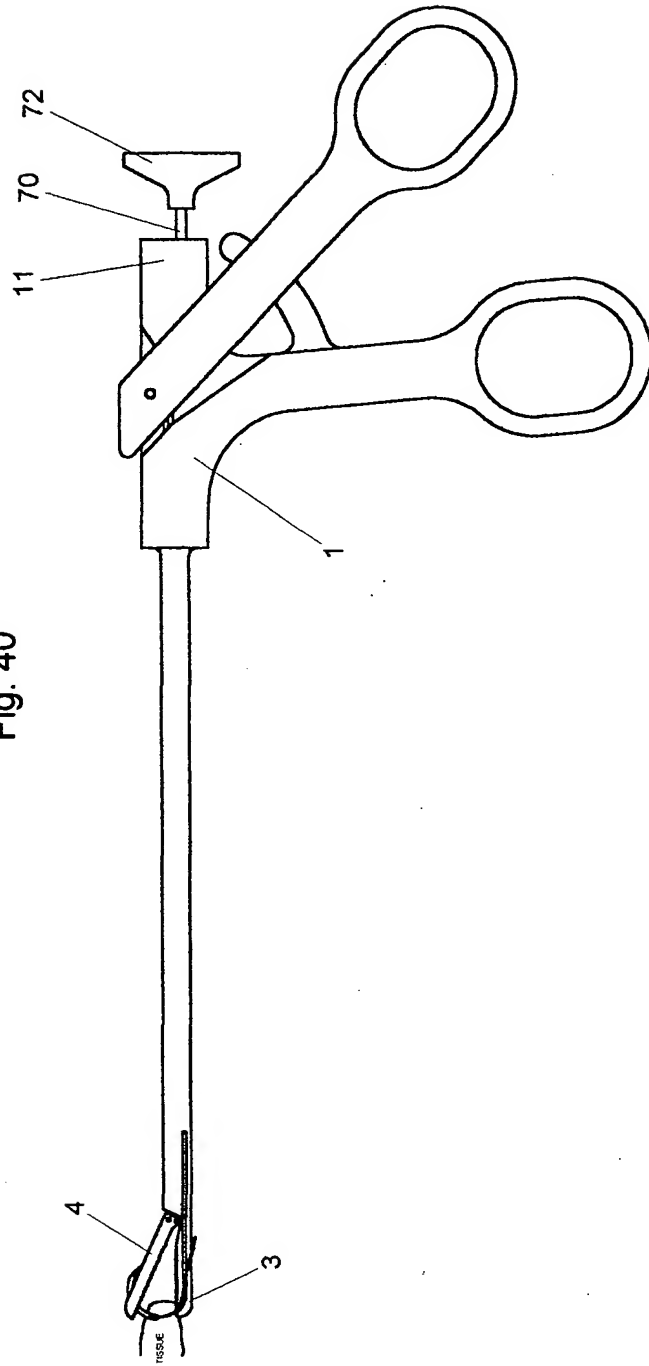


Fig. 39

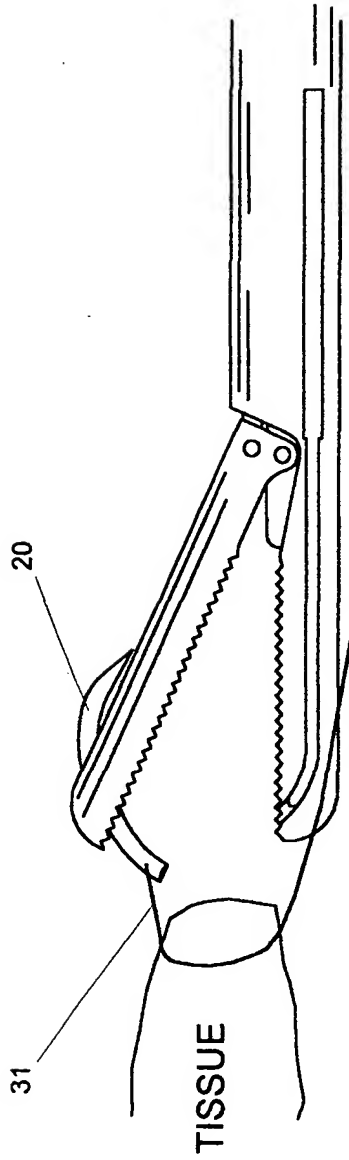


Fig. 42

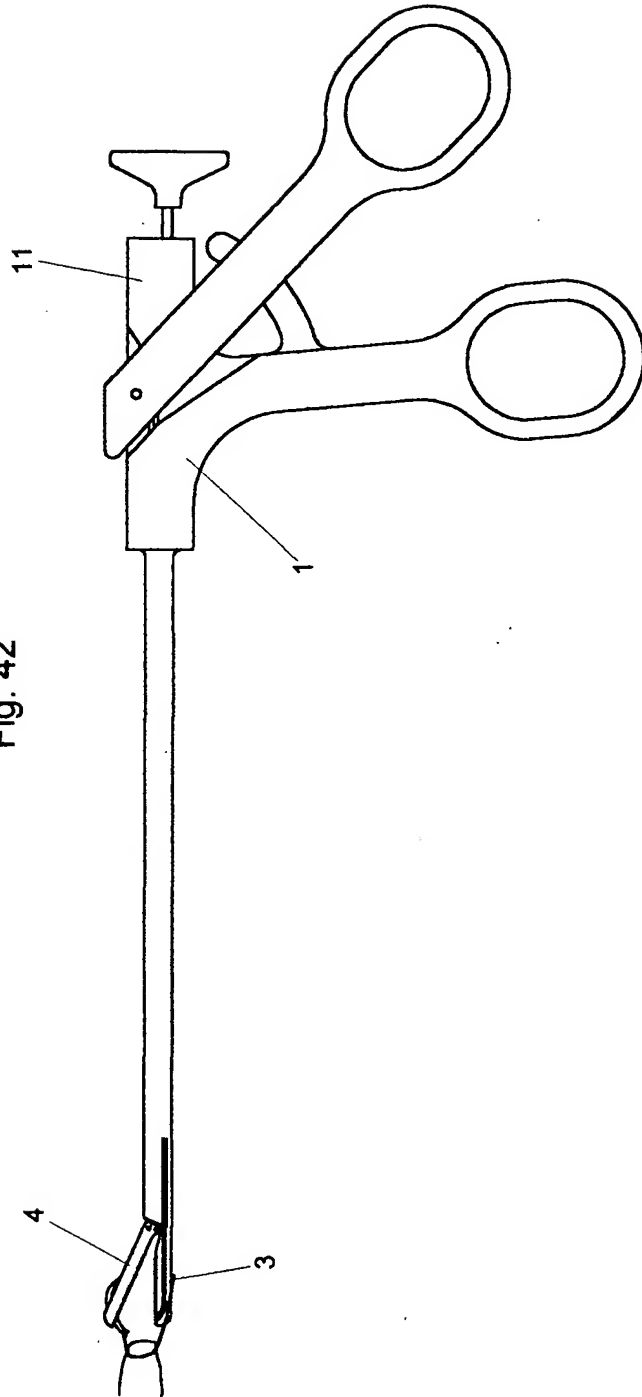


Fig. 41

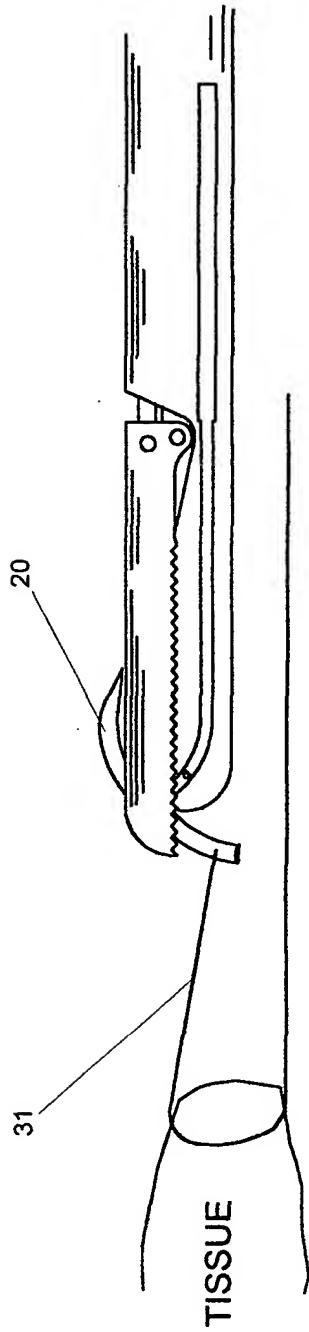


Fig. 44

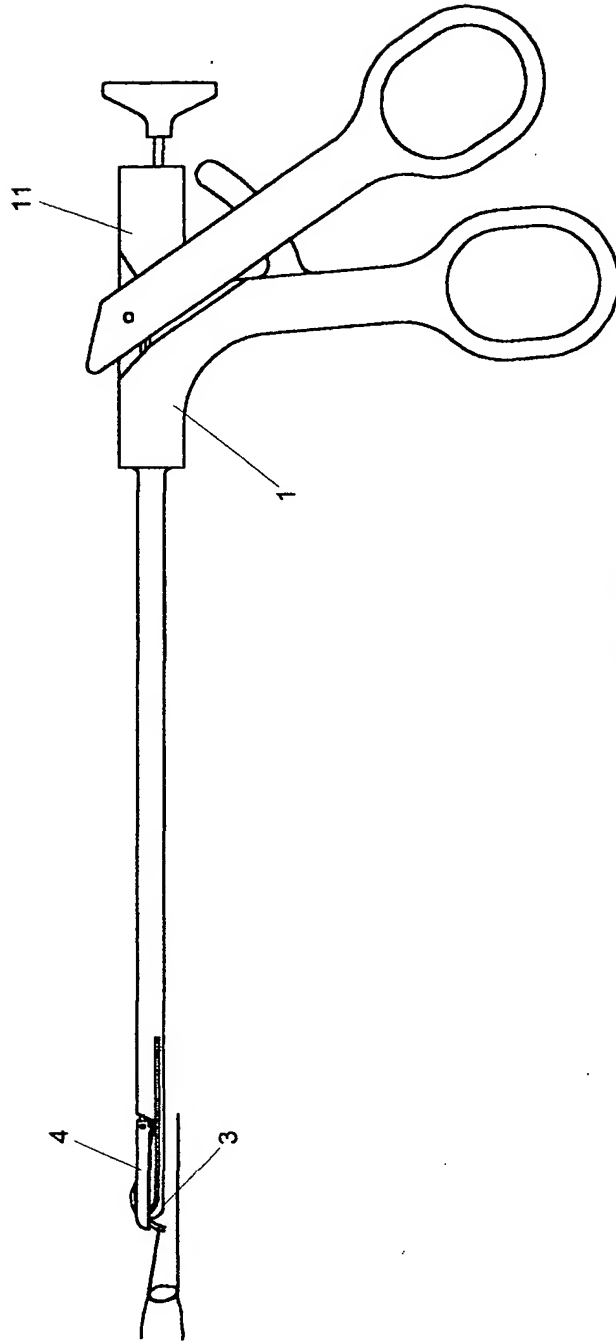


Fig. 43

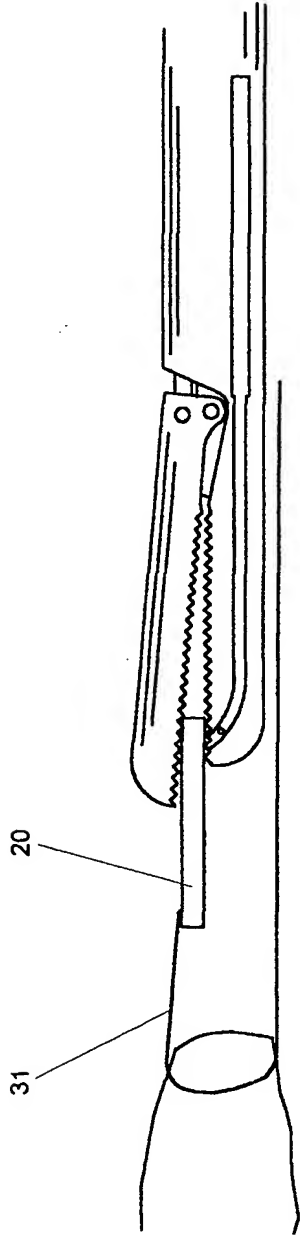


Fig. 46

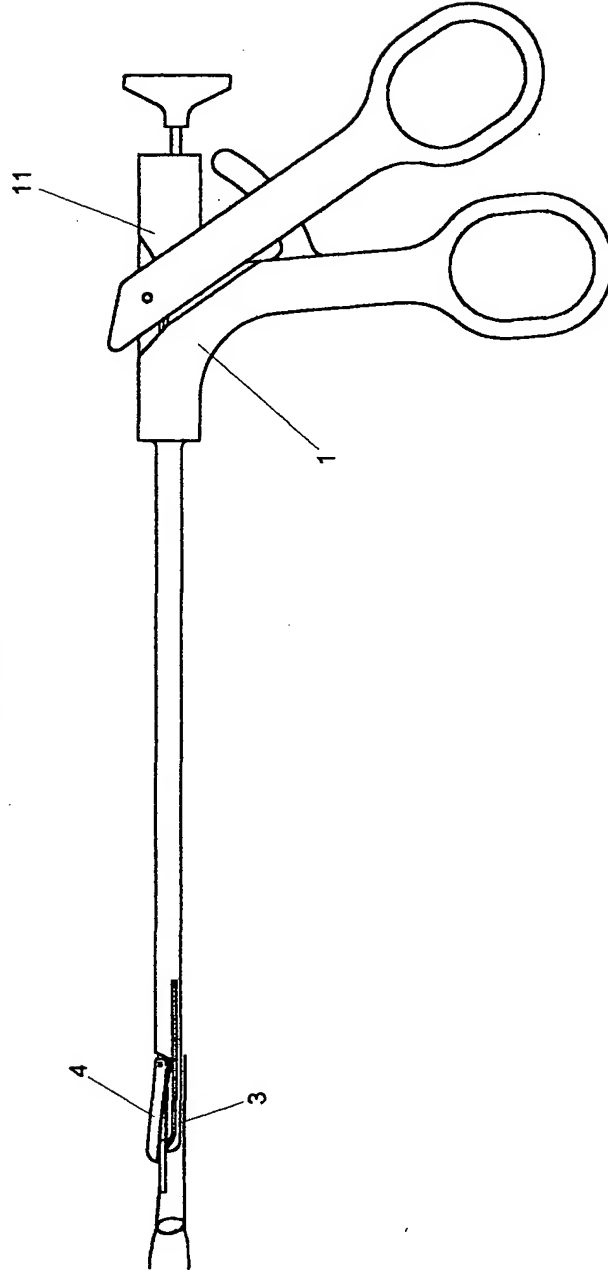


Fig. 45

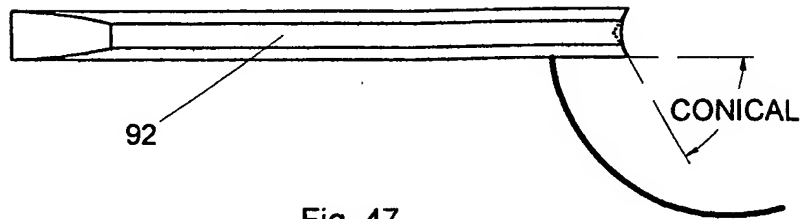


Fig. 47

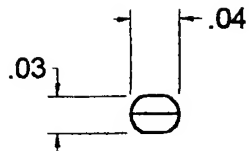


Fig. 49

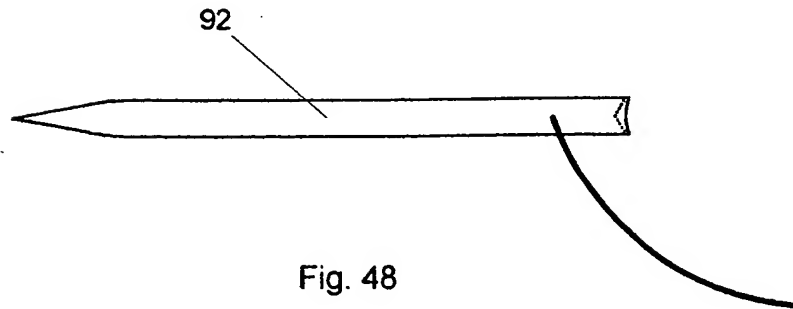


Fig. 48

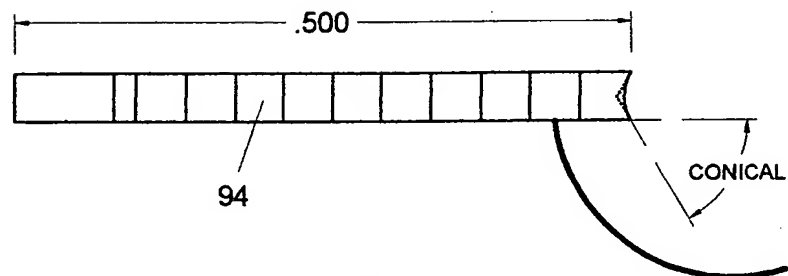


Fig. 50

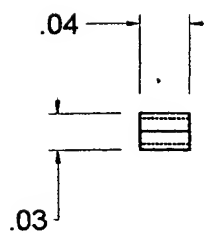


Fig. 52

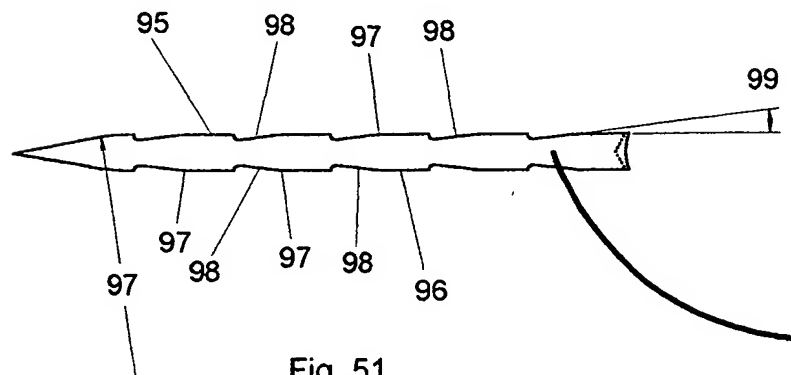


Fig. 51

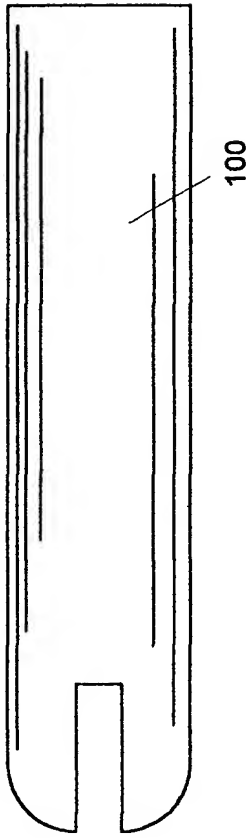


Fig. 53

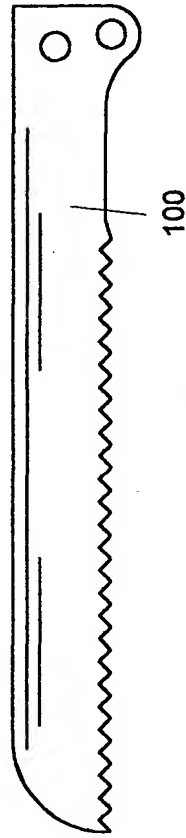


Fig. 54

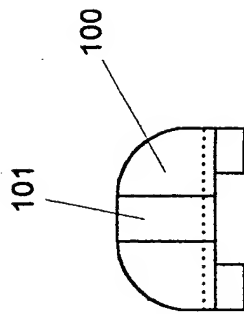


Fig. 55

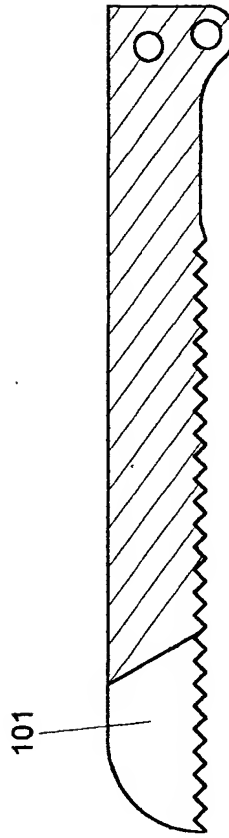


Fig. 56

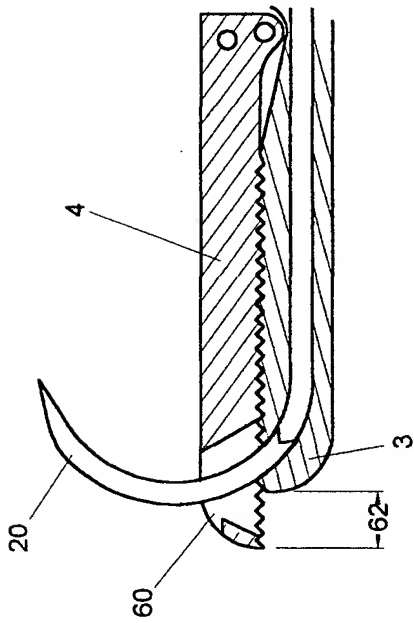


Fig. 57

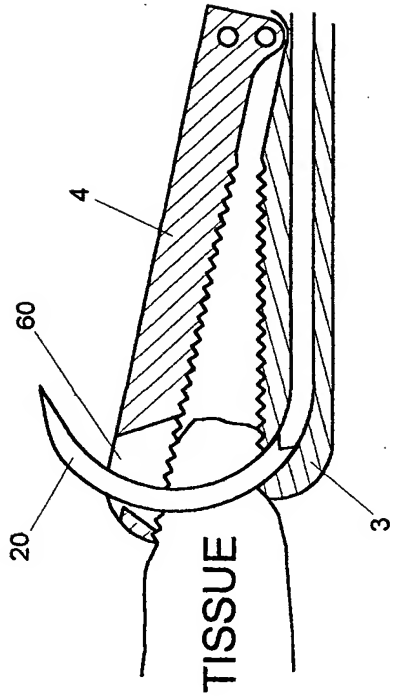


Fig. 58

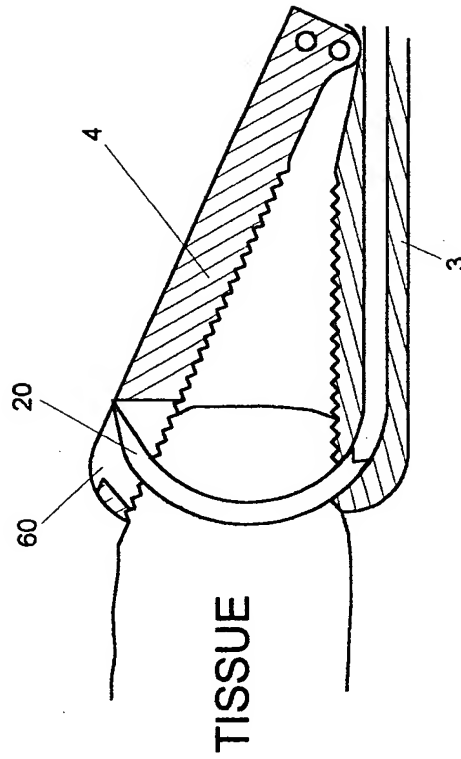


Fig. 59

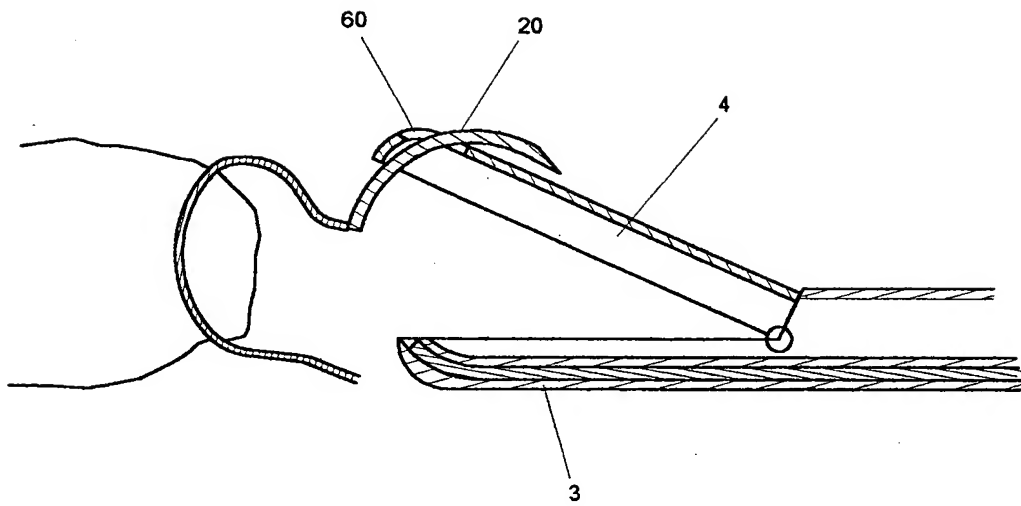


Fig. 60

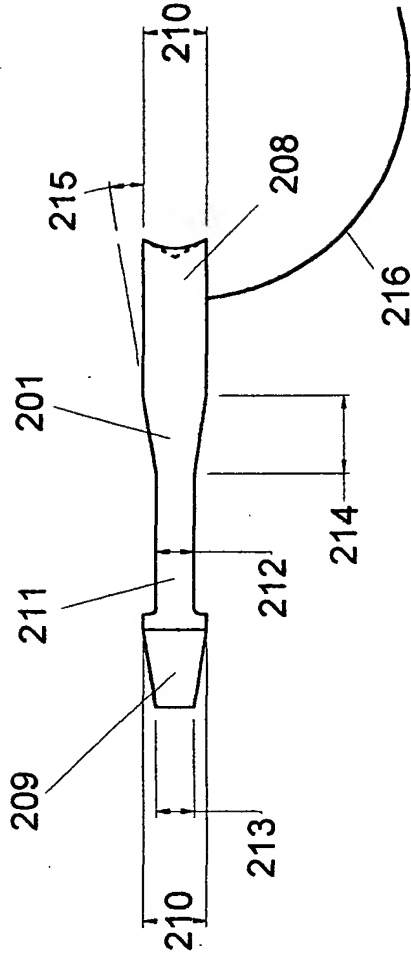


Fig. 61

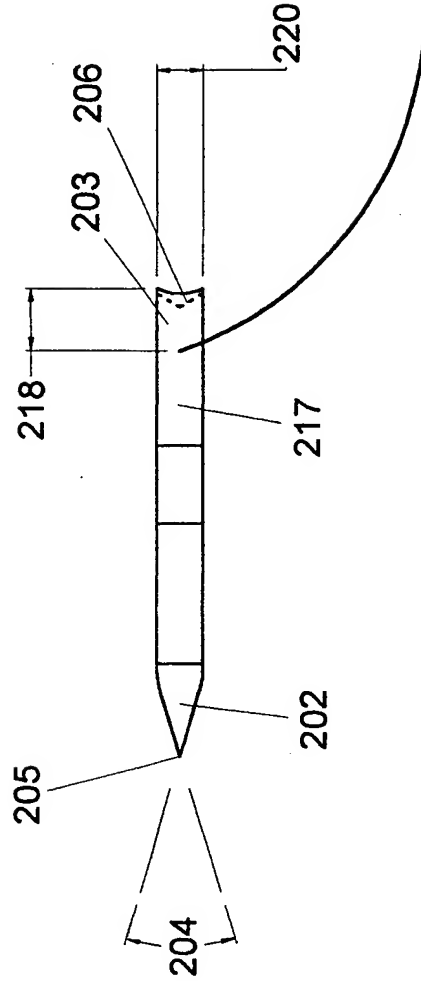


Fig. 62

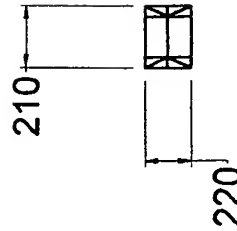


Fig. 63

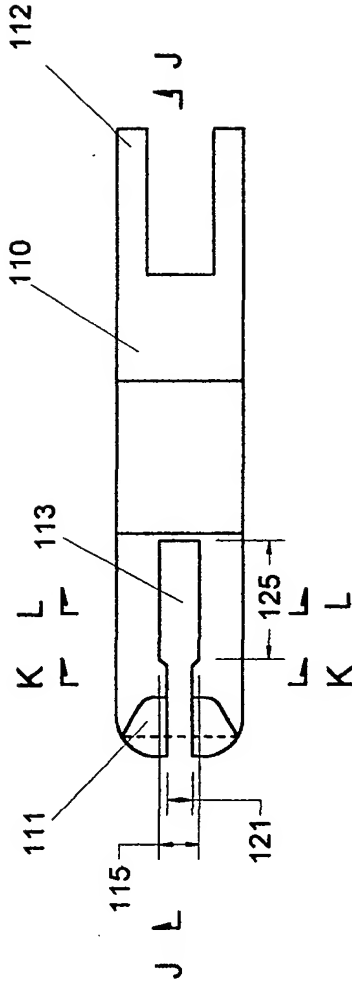


Fig. 64

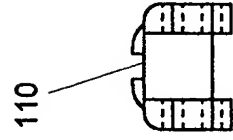


Fig. 67

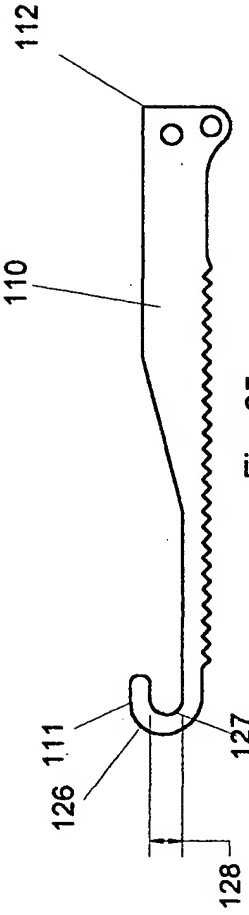


Fig. 65

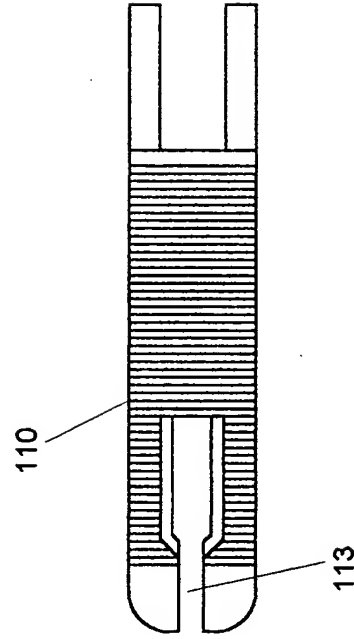


Fig. 66

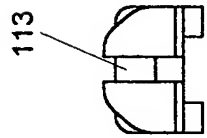
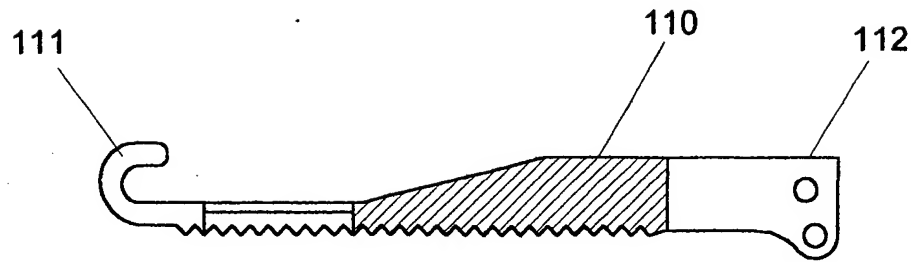
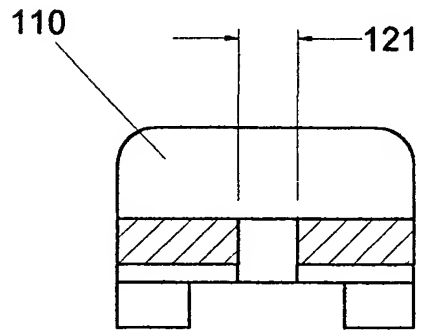


Fig. 68



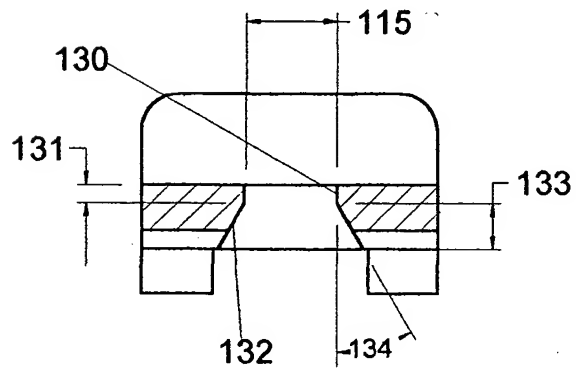
SEC J - J

Fig. 69



SEC K - K

Fig. 70



SEC L - L

Fig. 71

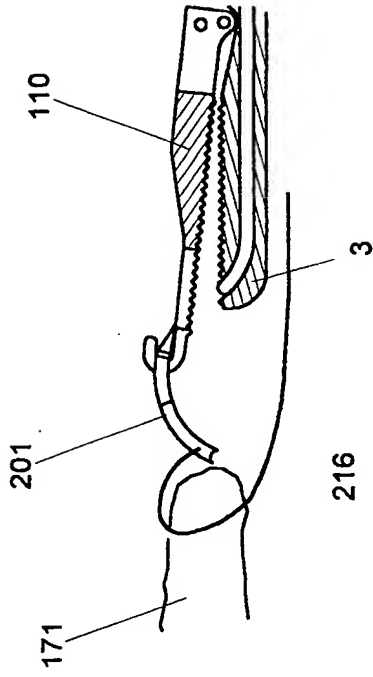


Fig. 74

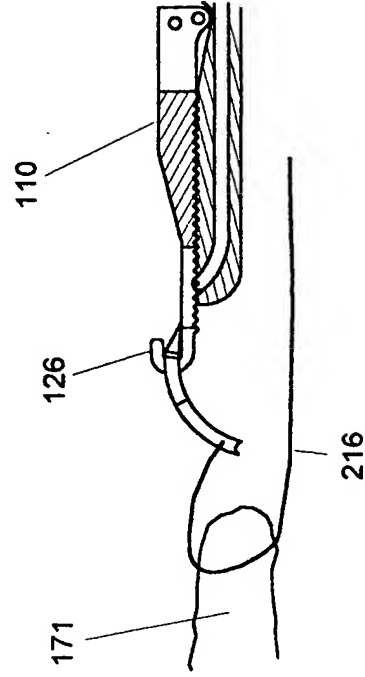


Fig. 75

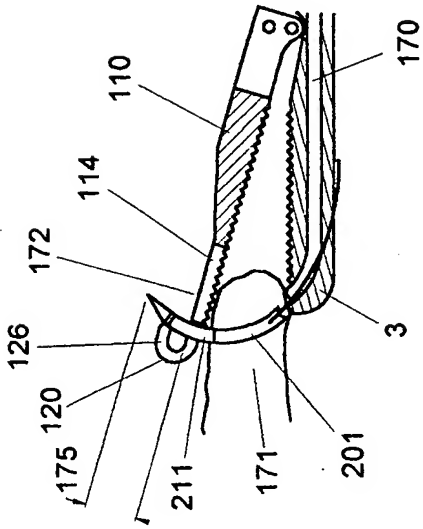


Fig. 72

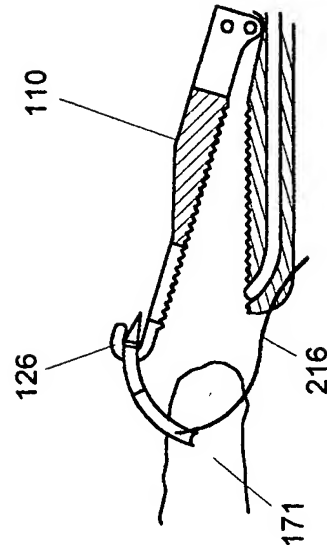


Fig. 73

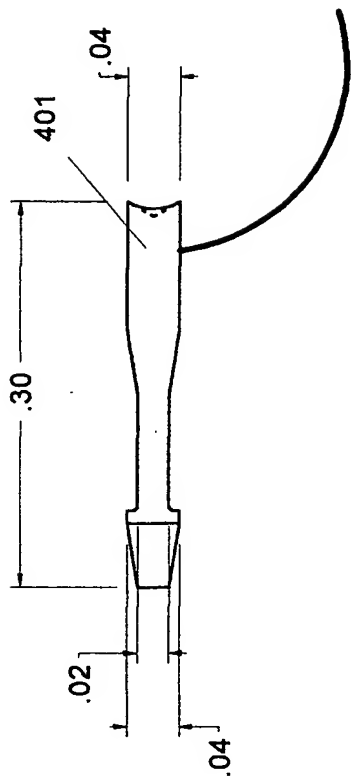


Fig. 77

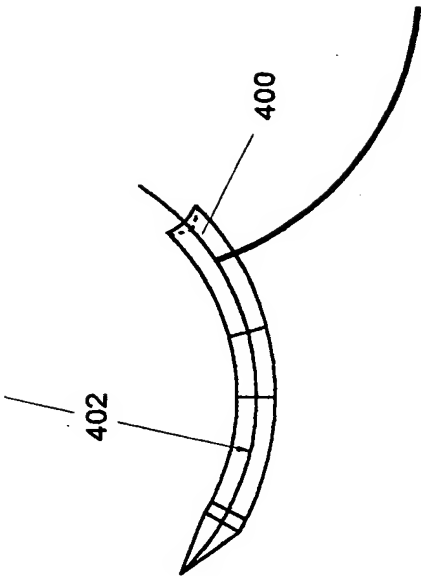


Fig. 76

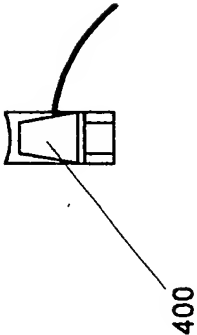


Fig. 78

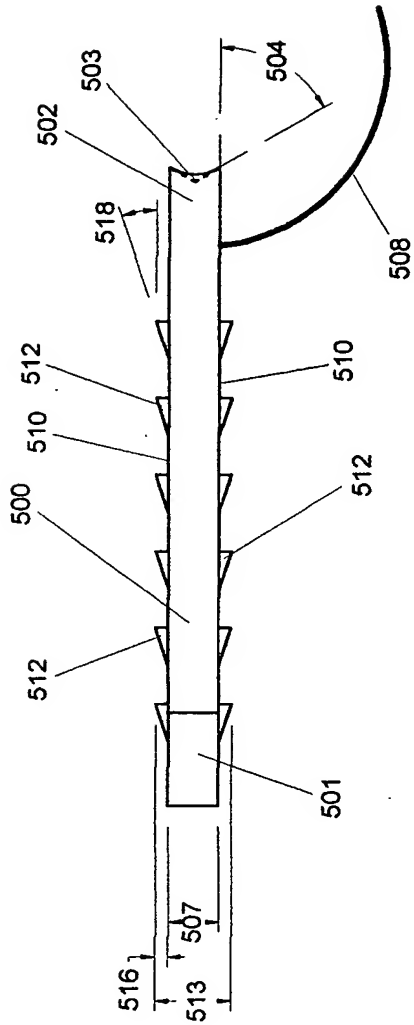


Fig. 79

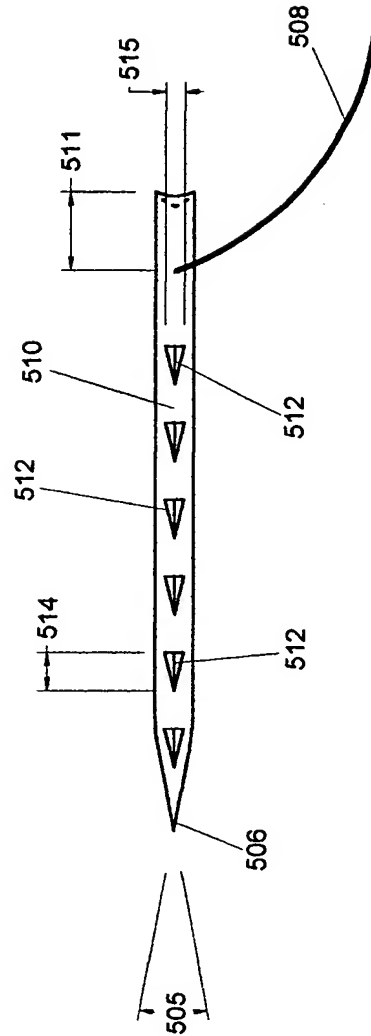


Fig. 80

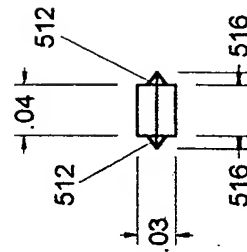


Fig. 81

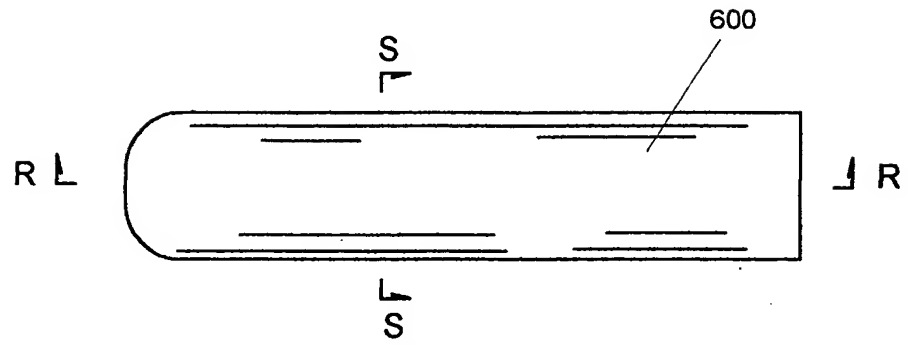


Fig. 82

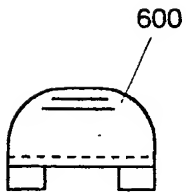


Fig. 85

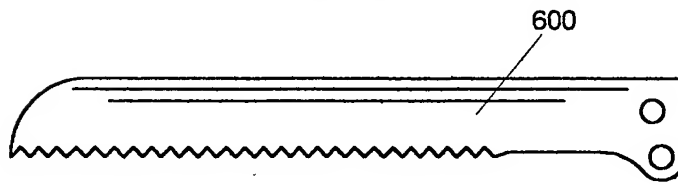
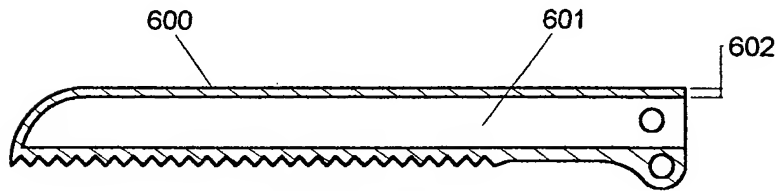
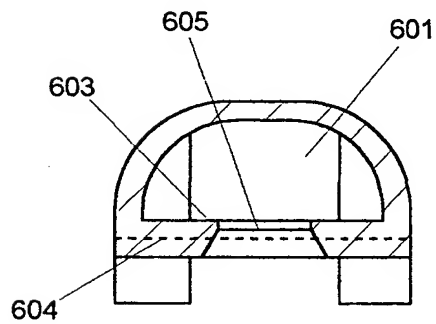


Fig. 83



SEC R - R

Fig. 84



SEC S - S

Fig. 86

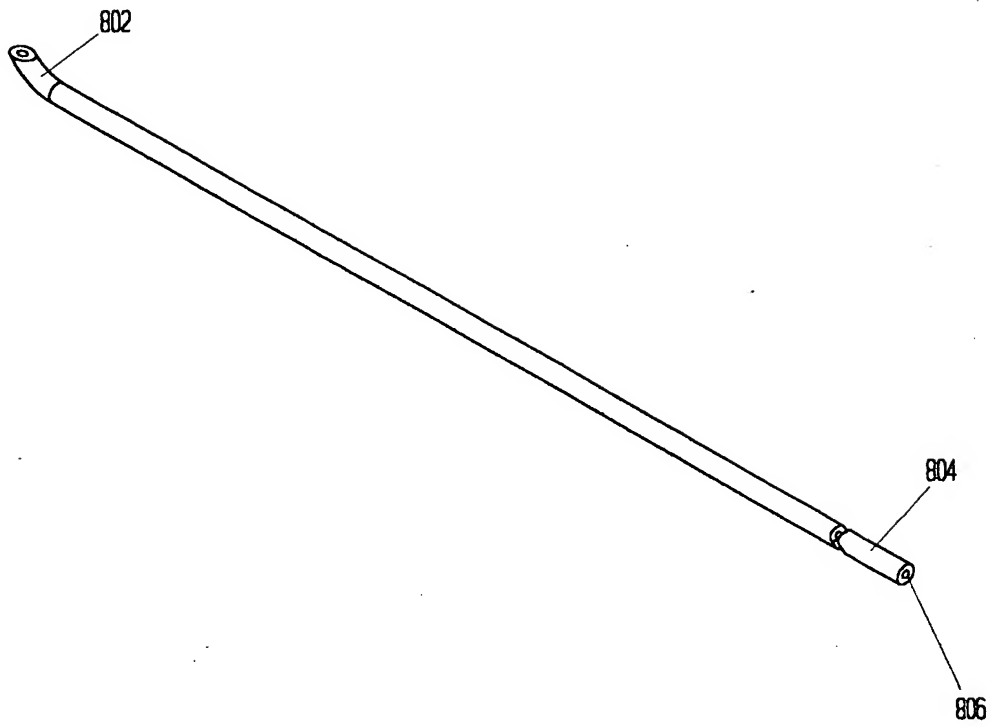


Fig. 87

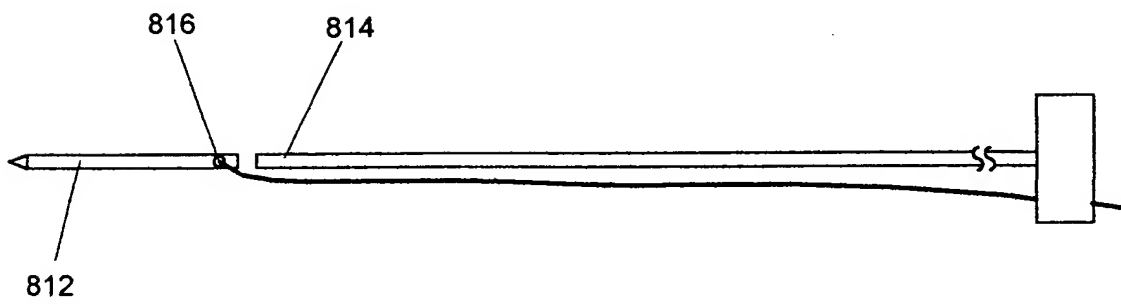


Fig. 88

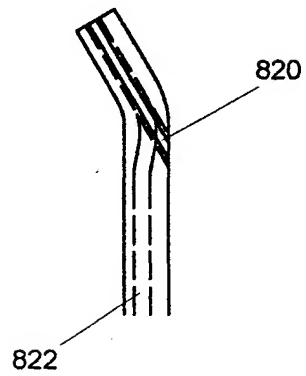


Fig. 89

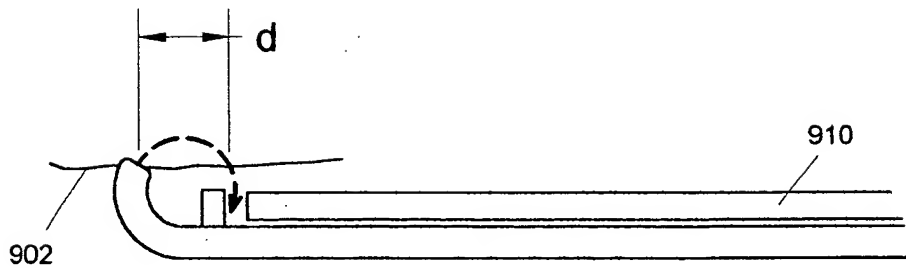


Fig. 90

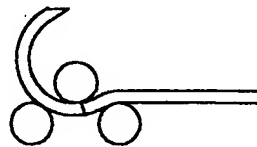


Fig. 91

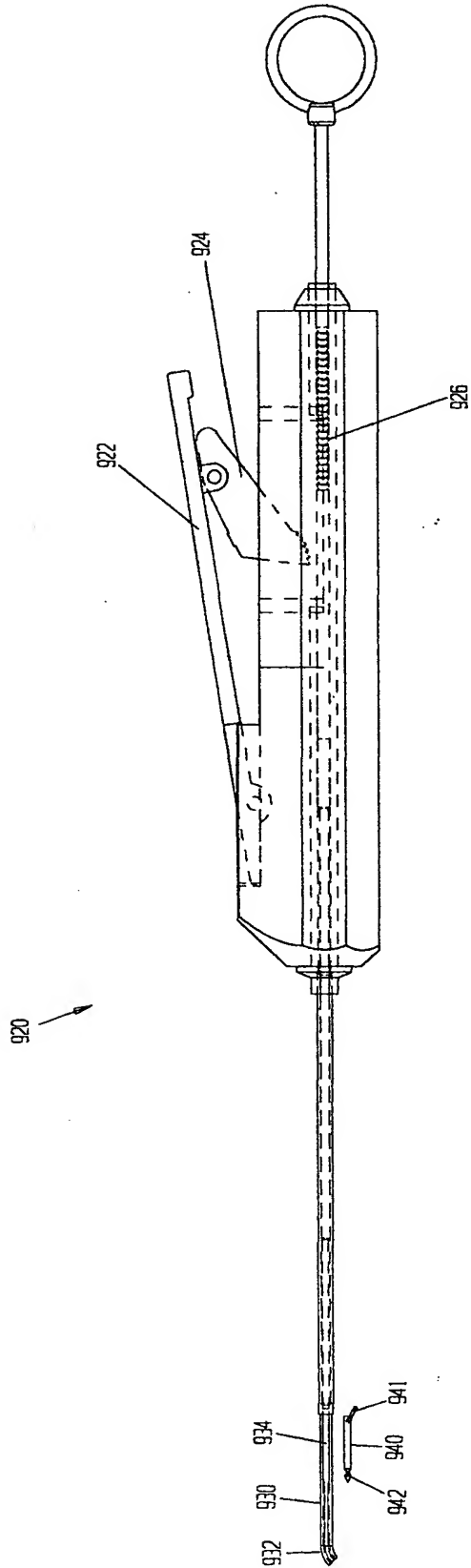


Fig. 92

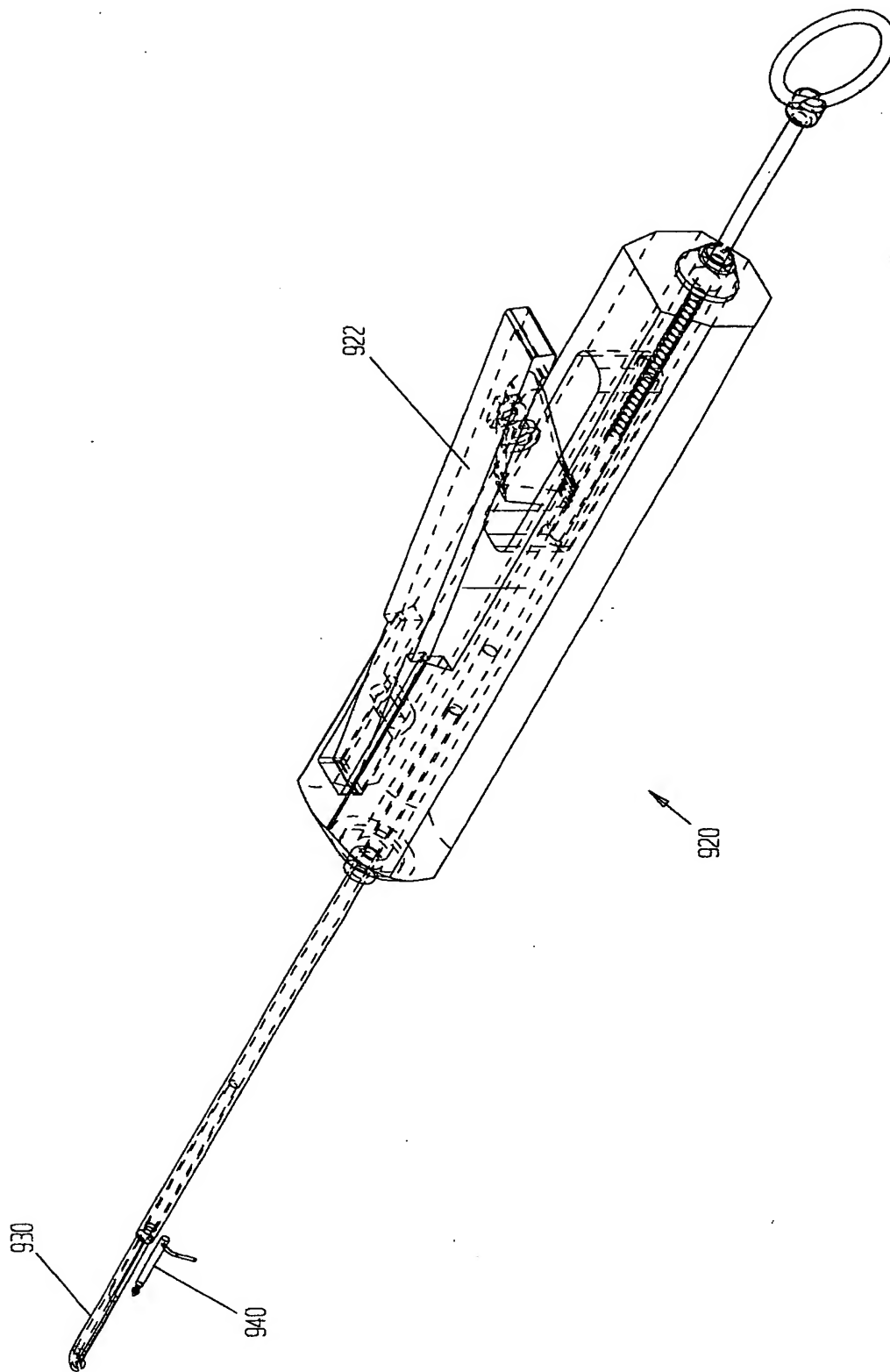


Fig. 93

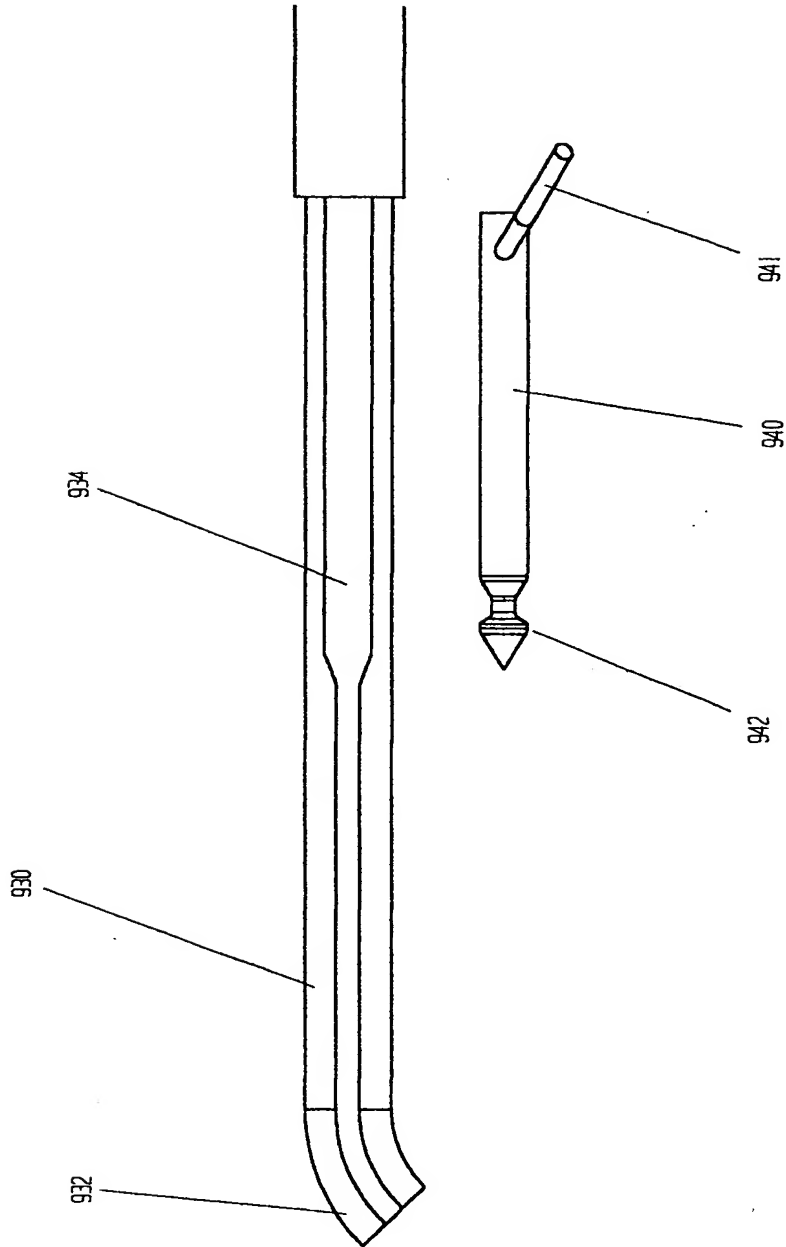


Fig. 94

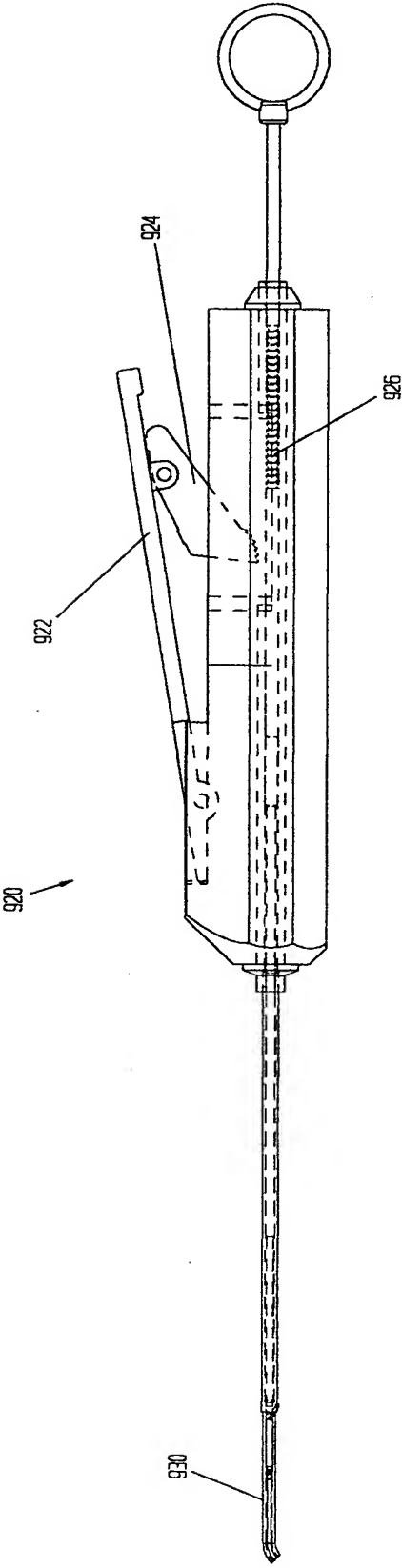


Fig. 95

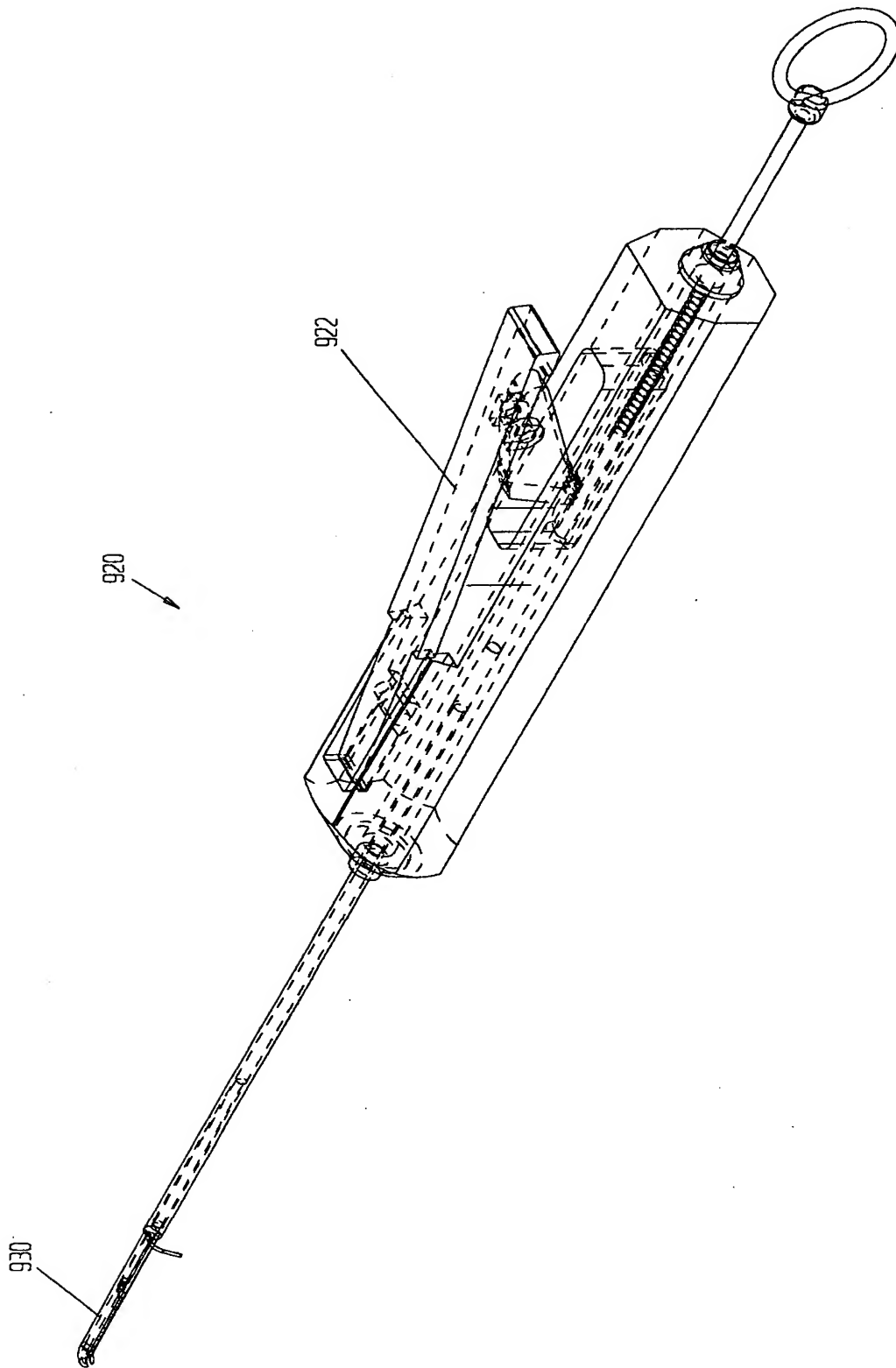


Fig. 96

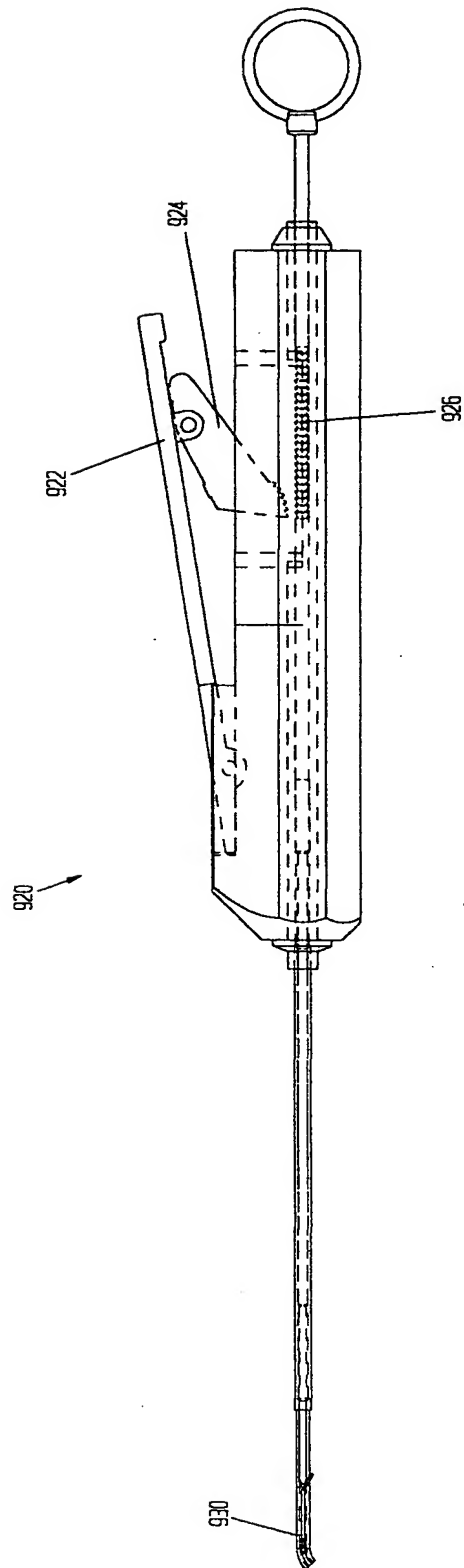


Fig. 97

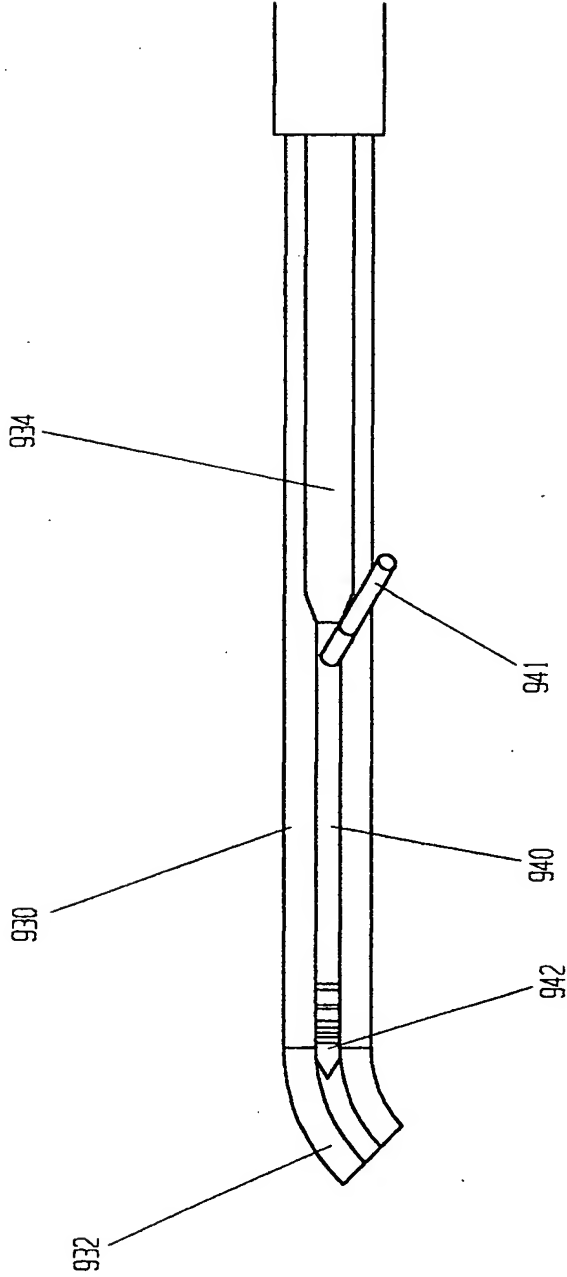


Fig. 98

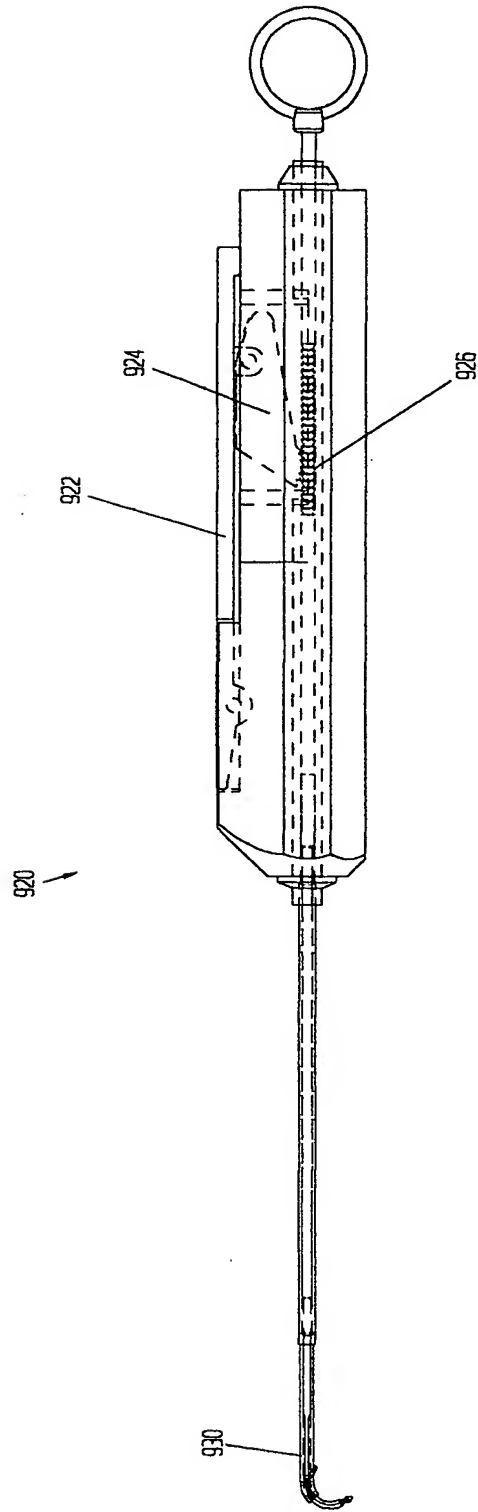


Fig. 99

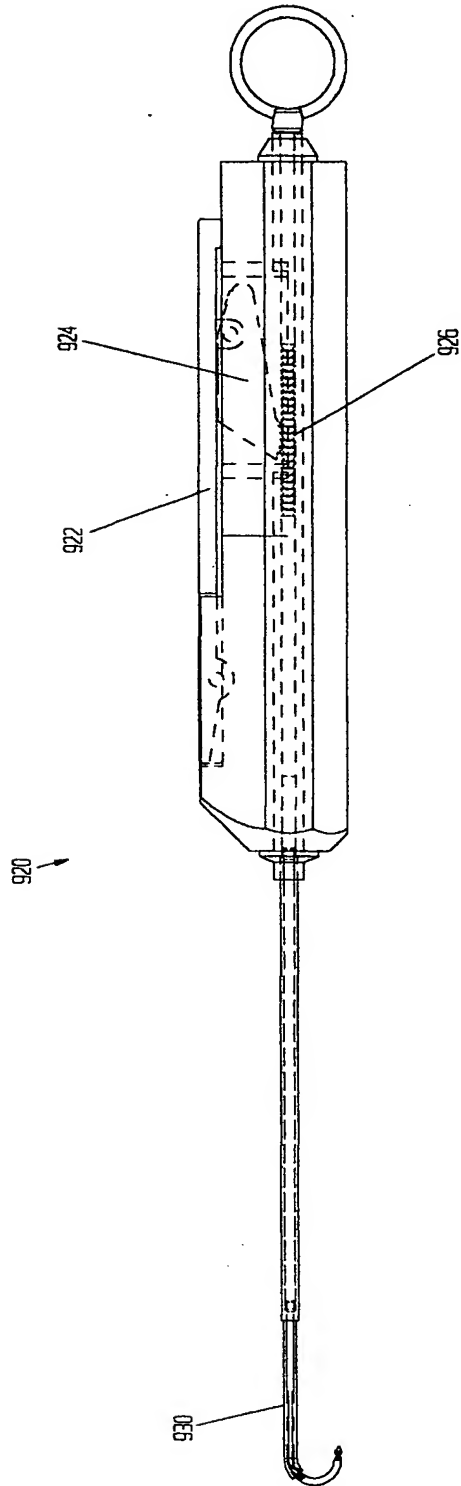


Fig. 100

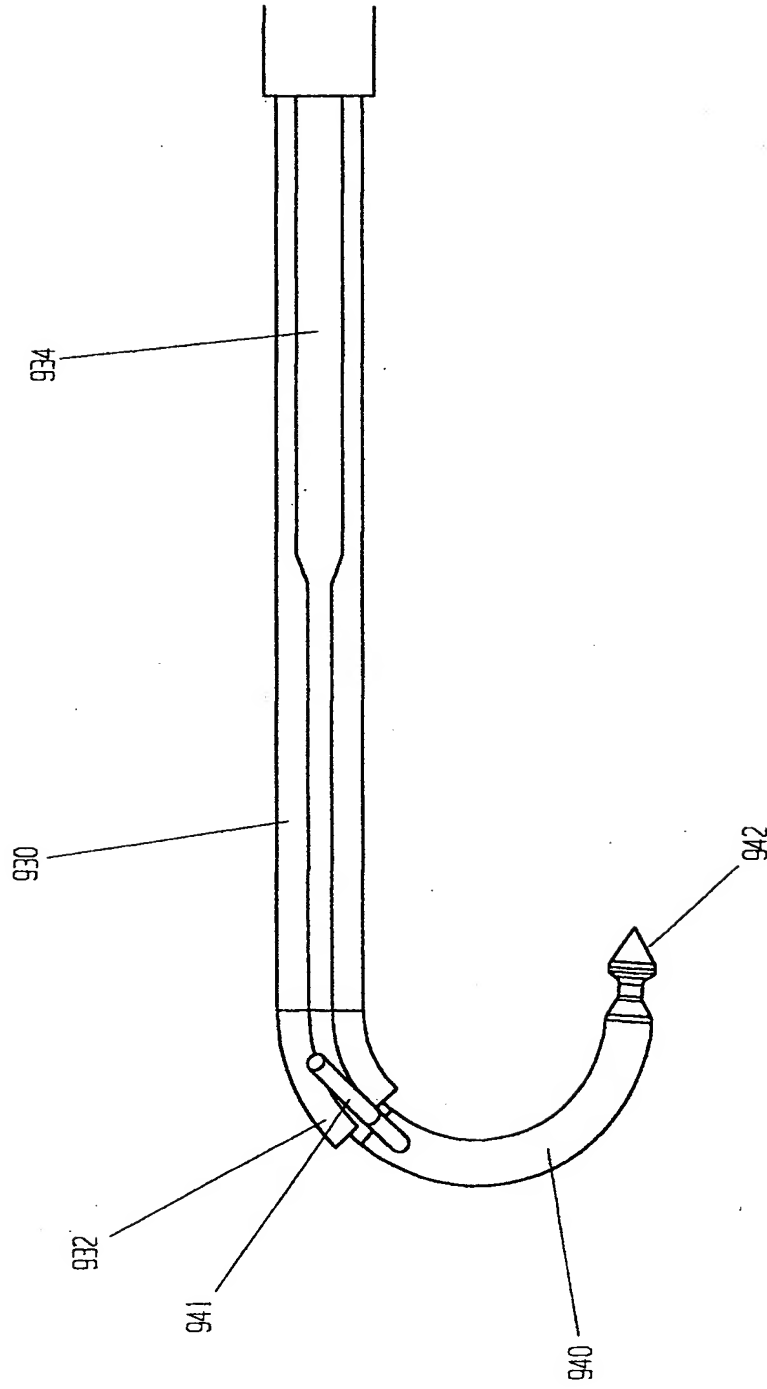


Fig. 101

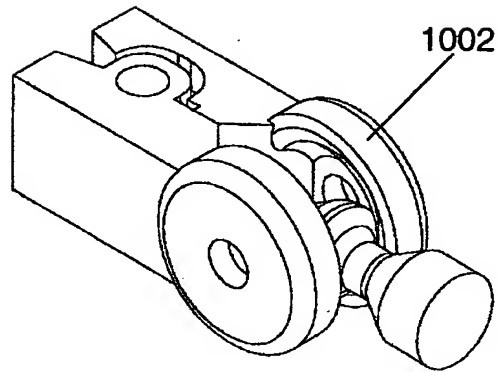


Fig. 102C

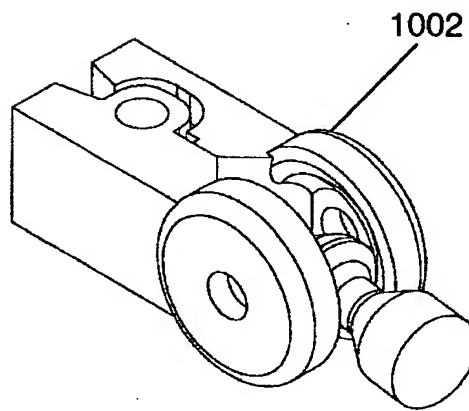


Fig. 102B

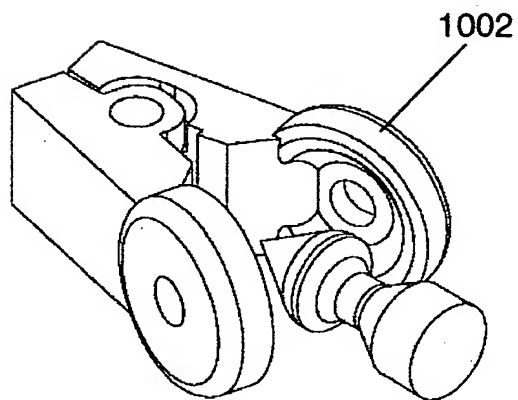


Fig. 102A

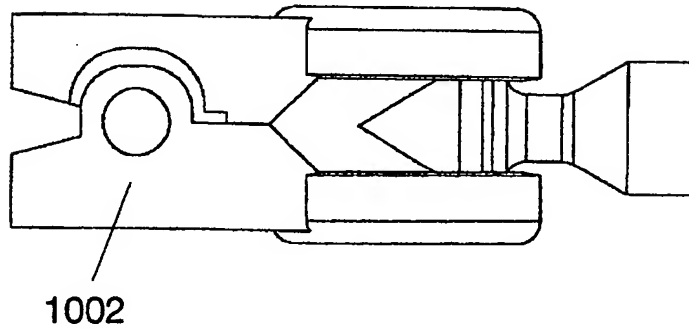


Fig. 103C

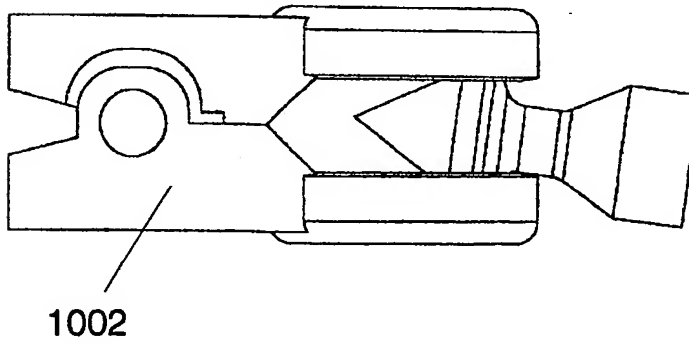


Fig 103B

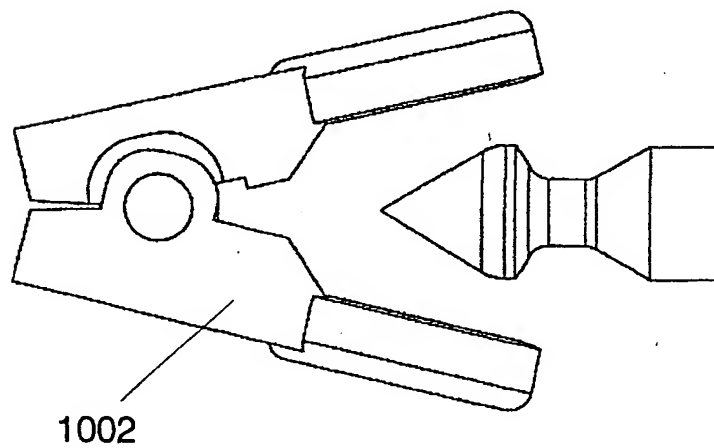


Fig. 103A

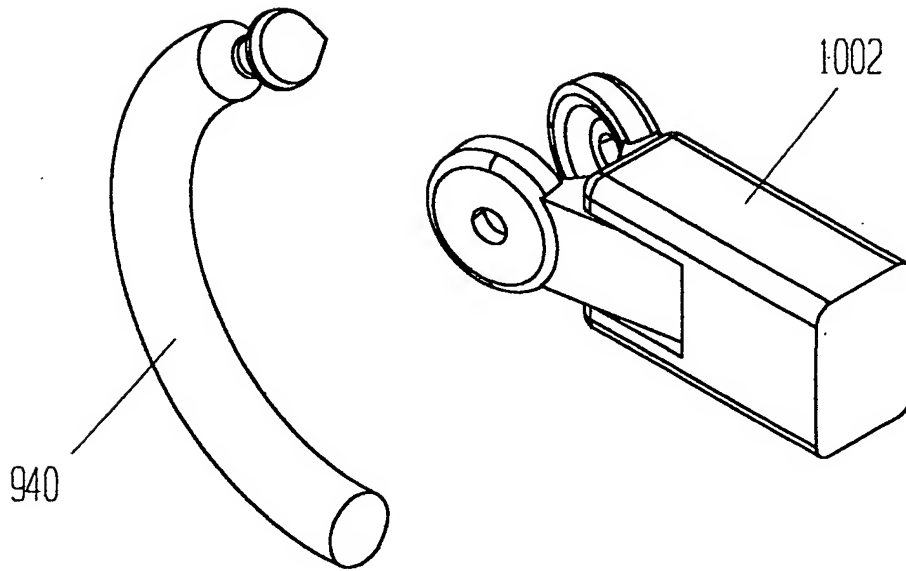


Fig. 104

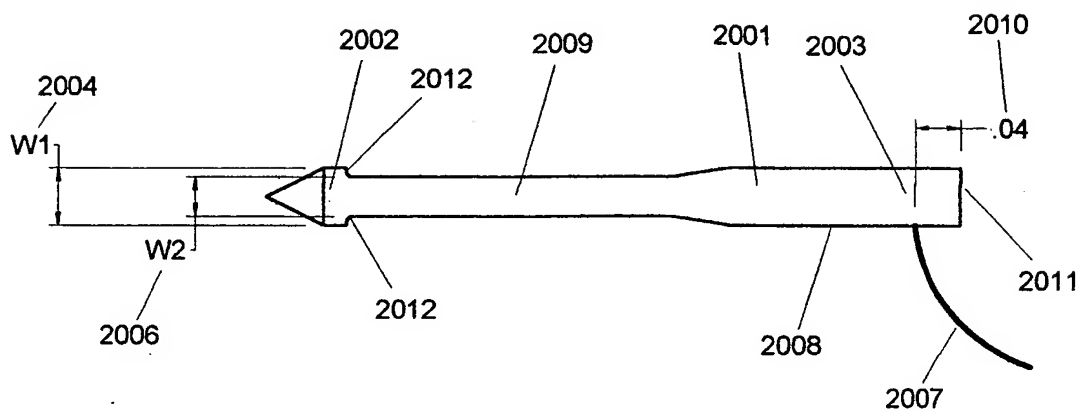


Fig. 105A

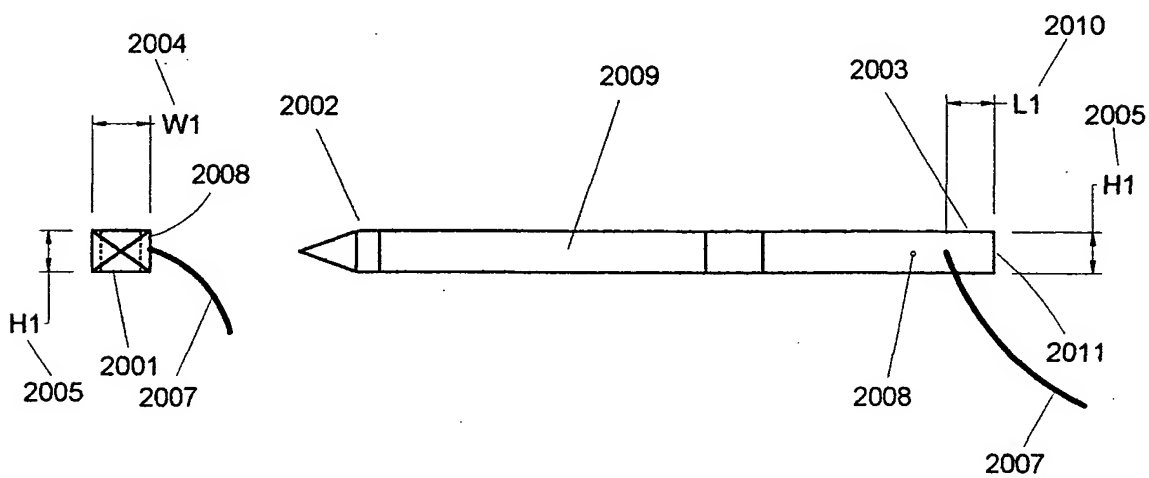


Fig. 105C

Fig. 105B

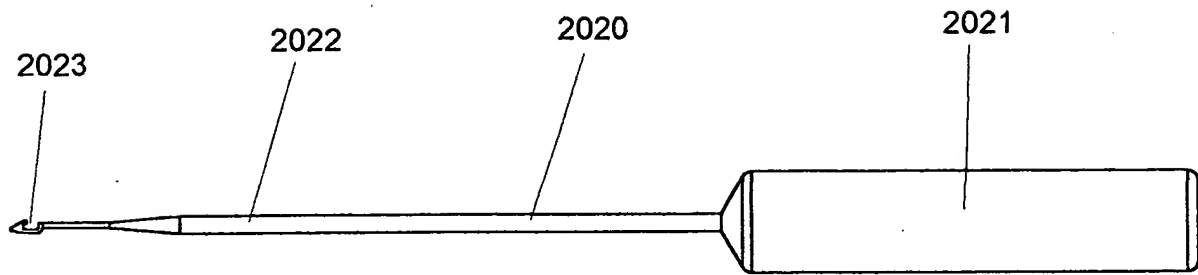


Fig. 106

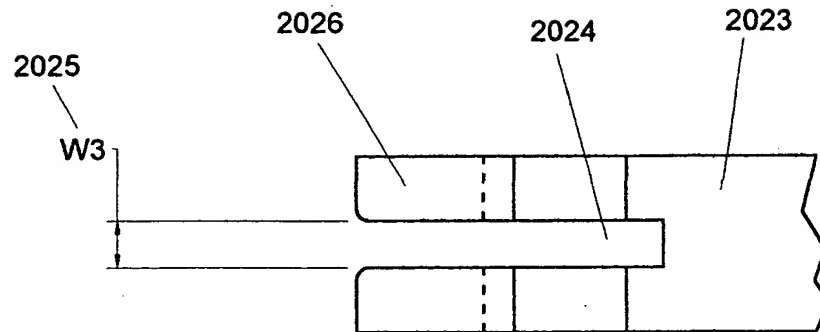


Fig. 107A

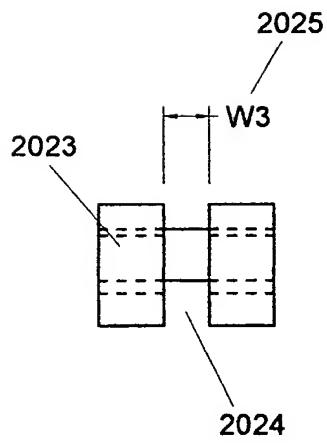


Fig. 107C

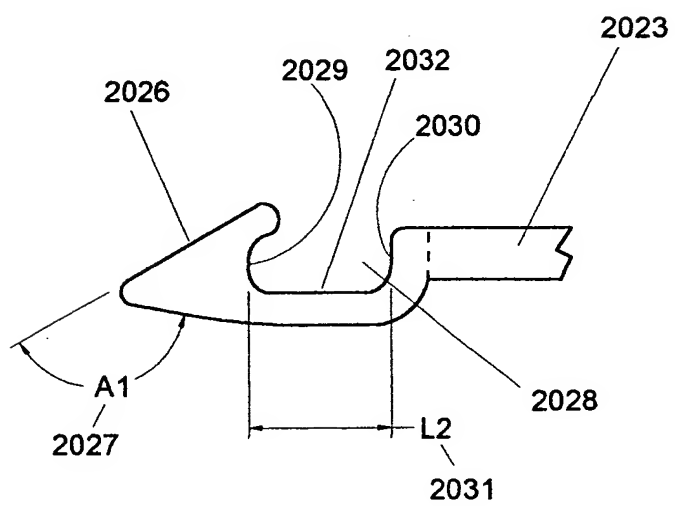


Fig. 107B

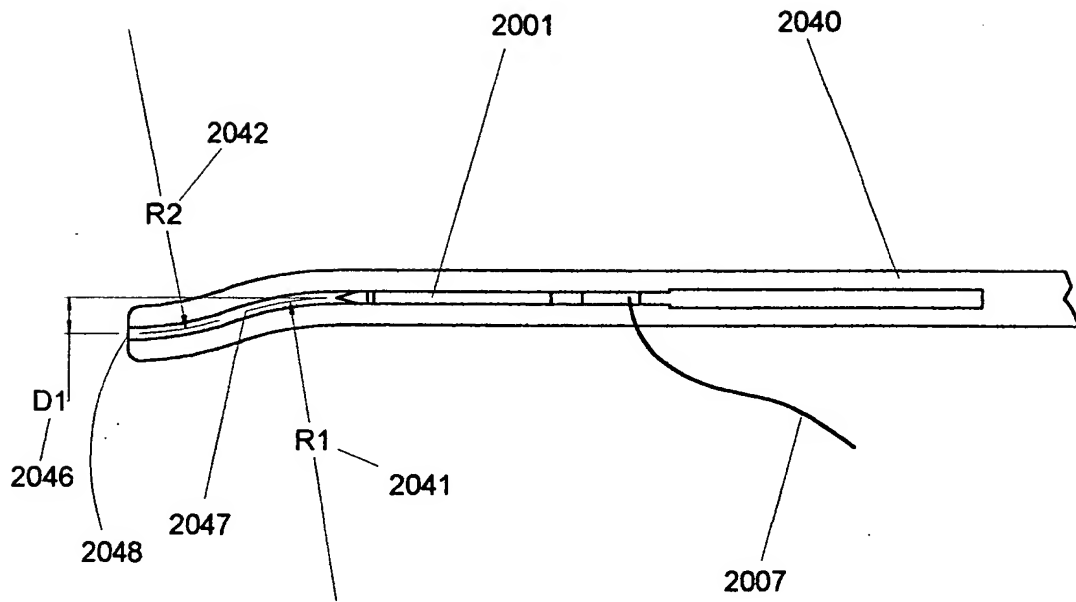


Fig. 108

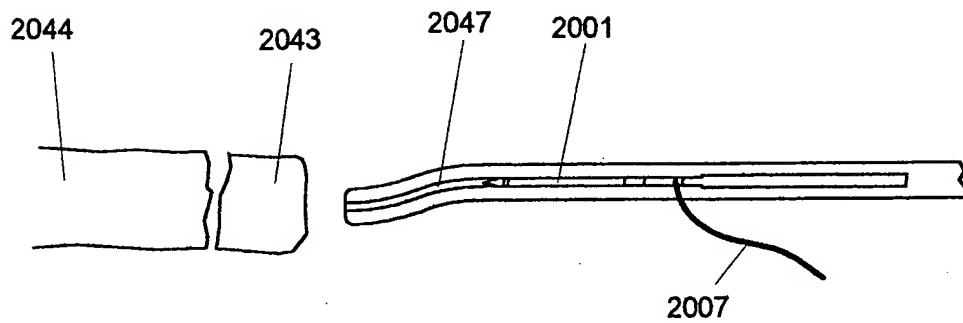


Fig. 109A

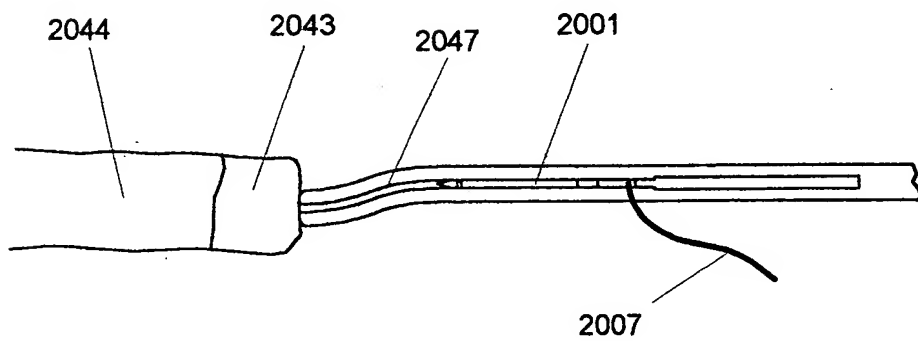


Fig. 109B

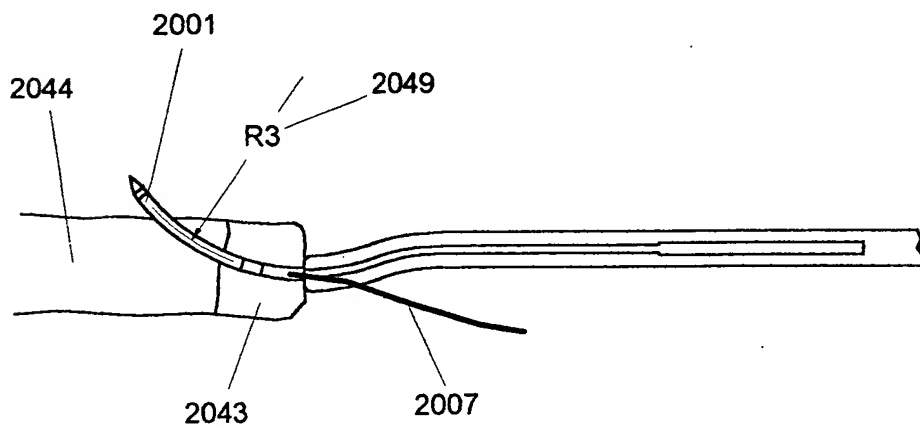


Fig. 109C

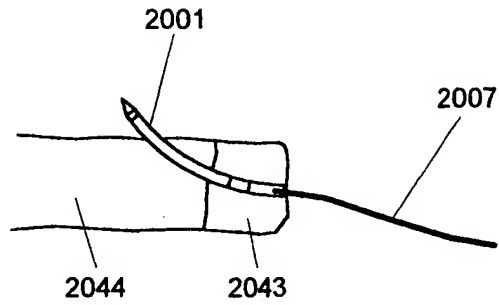


Fig. 109D

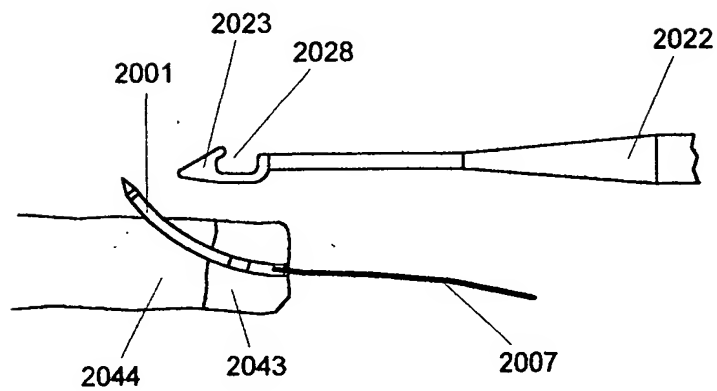


Fig. 109E

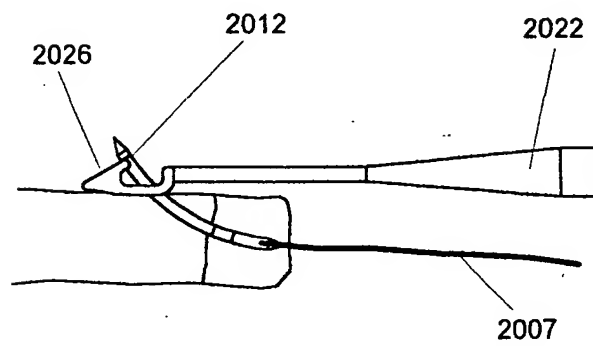


Fig. 109F

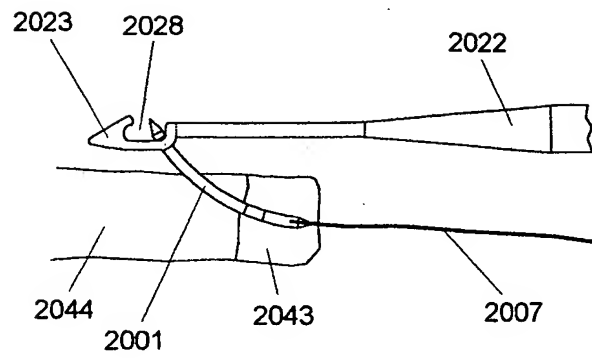


Fig. 109G

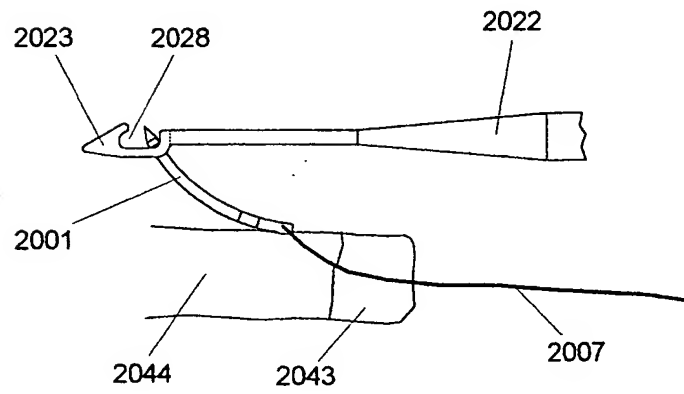


Fig. 109H

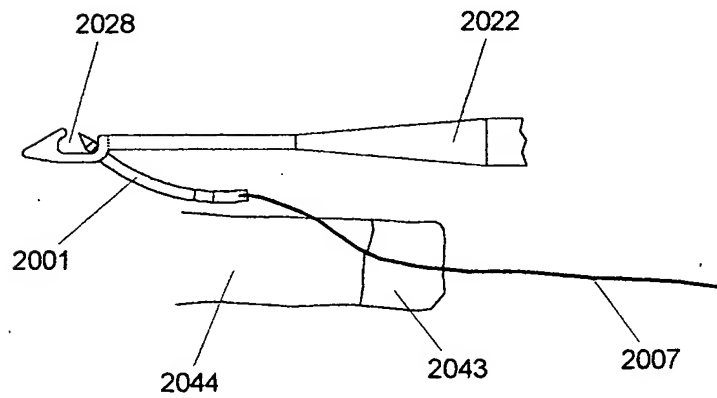


Fig. 109I

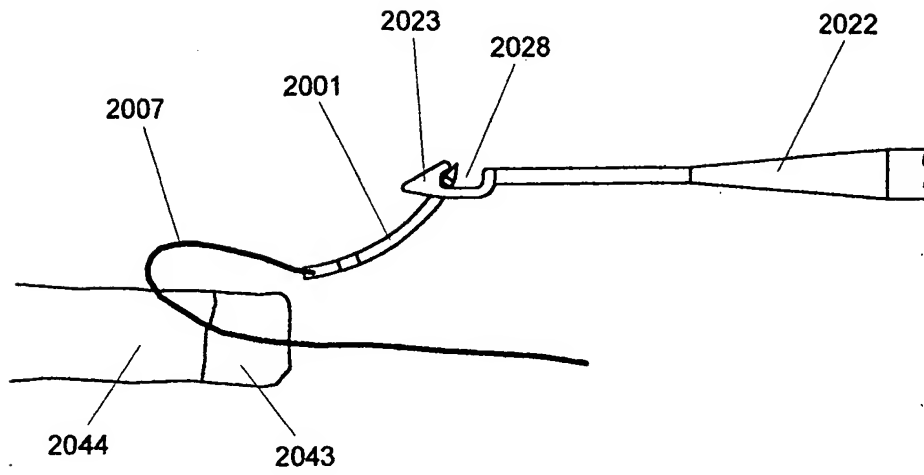


Fig. 109J

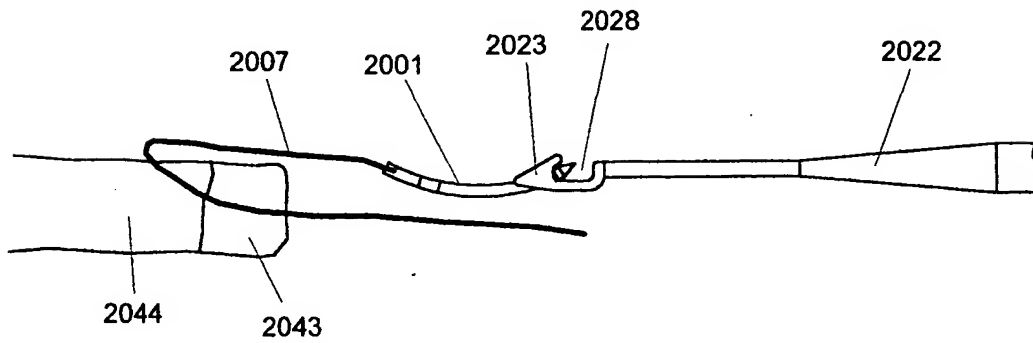


Fig. 109K

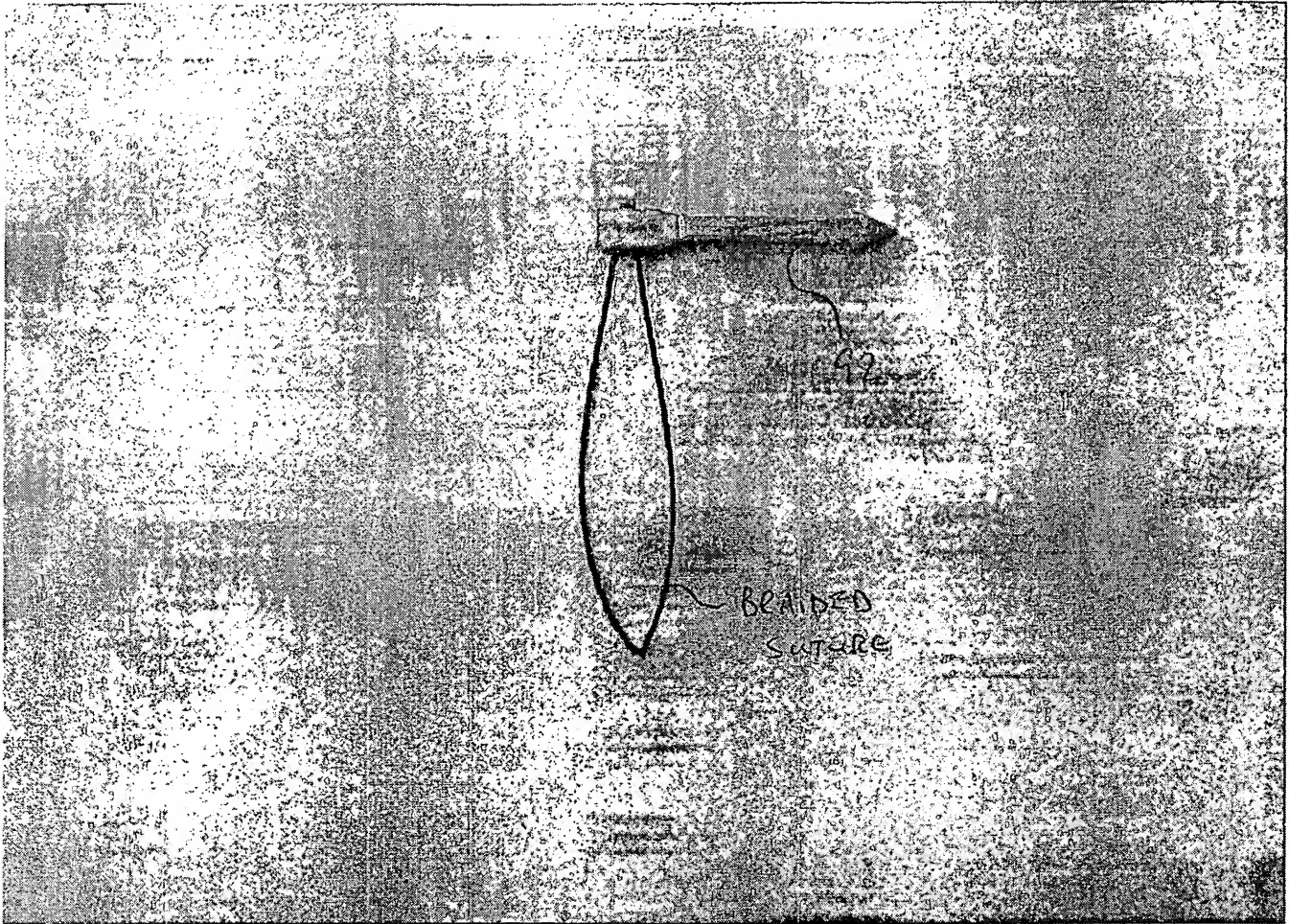


Figure 47A

BEST AVAILABLE COPY